

**CONTRACT PROPOSAL
(DO NOT MUTILATE)**

**STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
PROCUREMENT SECTION
HEADQUARTERS ADMINISTRATION BUILDING - ROOM 304M
STREET ADDRESS: 1201 CAPITOL ACCESS ROAD, BATON ROUGE, LA 70802
MAILING ADDRESS: P. O. BOX 94245, BATON ROUGE, LA 70804-9245**

**P.R. NO. 171752 REQUEST FOR BIDS ON DATE: MAY 28, 2004
ANNUAL CONTRACT FOR FURNISHING
ASPHALTIC MIXTURE FOR HOT APPLICATION**

Sealed bids will be received in this office until **9:45 A.M. FRIDAY, JUNE 25, 2004** and then publicly opened at 10:00 A.M. on same date for furnishing the supplies, materials, equipment and/or services as described herein.

JULY 5, 2004 - MARCH 14, 2005

AFFIRMATION OF BIDDER

The undersigned bidder affirms and declares:

1. That this proposal is executed and signed by said bidder with full knowledge and acceptance of Special Conditions and Specifications contained herein.
2. Should any part of this proposal be accepted in writing by the DOTD Procurement Director within thirty (30) calendar days from the date of bid opening, which shall be the date provided in the first paragraph hereof, the bidder will furnish and deliver the commodity and/or services for which this proposal is made, in the quantities and at the prices bid. Should any part of this proposal be delayed beyond the period of thirty (30) days herein provided, or of an earlier date specified by any bidder in the proposal schedule, such award shall be conditioned upon bidder's acceptance.
3. The undersigned, accepting the conditions set forth herein, hereby agrees, in strict accordance therewith, to furnish and deliver the commodities and/or services to the Department of Transportation and Development at the prices bid.

EXECUTION OF BID

DATE: _____

In compliance with the above request for bids, and subject to all the conditions thereof, the undersigned offers and agrees to furnish any or all items upon which prices are quoted, at the price set opposite each item, unless otherwise specified.

Delivery to made within _____ day after receipt of order.

_____ % Discount if invoices are paid within 30 days.

BIDDER: _____ **DATE:** _____

BY: _____

TITLE: _____ **FEDERAL I.D. NO.** _____
(Member of firm or person authorized to sign for corporation)

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

TELEPHONE NO. _____ **FAX NO.** _____

ACCEPTANCE

Accepted as to items listed on attached contract award sheet.

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, PROCUREMENT SECTION

BY: _____
DOTD PROCUREMENT DIRECTOR

DATE

NOTICE

Sealed bids for the following will be received by the Louisiana Department of Transportation and Development, 1201 Capitol Access Road, Room 304M, Headquarters Administration Building, Baton Rouge, LA 70802, Telephone number (225/379-1444) until **9:45 A.M., FRIDAY, JUNE 25, 2004**. No bids will be accepted after this hour. At 10:00 A.M. of the same day and date, they will be publicly opened and read in Room 304M, Headquarters Administration Building.

PURCHASE REQUISITION NO. 171752

SUPPLEMENT A

ANNUAL CONTRACT FOR FURNISHING ASPHALTIC MIXTURE FOR HOT APPLICATION TO BE PICKED UP AT VARIOUS LOCATIONS IN LOUISIANA AS REQUIRED, WHERE ORDERED, FOR THE PERIOD BEGINNING JULY 5, 2004 AND ENDING MARCH 14, 2005.

The Department will award the contract to the lowest responsible bidder without discrimination on grounds of race, color or national origin. Minority business enterprises will be afforded full opportunity to submit bids pursuant to this advertisement.

Full information, specifications and proposal forms may be obtained upon request from the above address.

Bids must be submitted on proposal forms provided by the Department. Evidence of authority to submit the bid shall be required in accordance with R.S. 38:2212(a)(1)(c) and/or R.S. 39:1594(c)(2)(d).

The Department reserves the right to reject any or all bids and waive any informalities.

JOHNNY B. BRADBERRY,
SECRETARY
DANA D. WATLINGTON,
DOTD PROCUREMENT DIRECTOR

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIAL CONDITIONS AND SPECIFICATIONS
FOR FURNISHING
ASPHALTIC MIXTURE FOR HOT APPLICATION
SUPPLEMENT A

Please read the following instructions and special conditions and specifications carefully. Any deviation may cause your bid to be disqualified. All bid prices must be typed or written in ink. Any corrections or other forms of alteration to unit prices should be initialed by the bidder. This bid is to be manually signed in ink. Failure to do so will cause rejection of your bid.

CONTRACT

Contract for furnishing Asphaltic Mixture for Hot Application as requested in accordance with provisions set forth for the twelve (12) month period as specified herein.

The continuation of this contract is contingent upon the appropriation of funds to fulfill the requirements of the contract by the legislature. If the legislature fails to appropriate sufficient monies to provide for the continuation of a contract, or if such appropriation is reduced by the veto of the Governor or by any means provided in the Appropriations Act or Title 39 of the Louisiana Revised Statutes of 1950 to prevent the total appropriation for the year from exceeding revenues for that year, or for any other lawful purpose, and the effect of such reduction is to provide insufficient monies for the continuation of the contract, the contract shall terminate on the date of the beginning of the first fiscal year for which funds are not appropriated.

PURPOSE AND INTENTION

The purpose and intention of this invitation to bid is to comply with State laws and establish a contract between the Department and the successful bidder(s), whereby the Department may purchase Asphaltic Mixture for Hot Application from the contractor as shown herein.

CONTRACT PROPOSAL FORM

The contract proposal form in its entirety shall become a part of the contract upon execution by the Department. Bidder shall fill in this contract proposal completely and shall sign in the appropriate places. The proposal should be submitted in an envelope furnished by the Department, so marked as to indicate its contents. Bidders should return entire proposal. The envelope shall be sealed, addressed and delivered to the Procurement Section of the Department of Transportation and Development, Headquarters Administration Building, Room 304 M, located at 1201 Capitol Access

Road, Baton Rouge, LA 70802 before the time set for receiving proposals on the front hereof. Proposals received after the time set will be returned to the bidder.

Bidders should make a copy of their bid before submitting the original contract proposal.

QUANTITIES

No specific quantities are given or guaranteed, only such Asphaltic Mixture for Hot Application as required by the Department during the contract period will be ordered. Both regular and polymer modified asphaltic mixture will be available for use by the Department. It will be at each District Administrator's option of which product to purchase.

SPECIFICATIONS

All Asphaltic Mixture for Hot Application must be in accordance with DOTD Specification No. MS-164-002, dated February 4, 1997 and polymer modified asphaltic materials DOTD specification No. MS-164-004, dated November, 1995. Materials failing to meet the specifications will be paid according to the price adjustment schedule shown. If performance of the materials continues to be unsatisfactory, the Department reserves the right to cancel the contract.

PRE-QUALIFICATION REQUIREMENTS

Bidder's plant for supplying asphaltic mixture for hot application must be certified prior to award. After the award of the contract, it will be the responsibility of each District to make sure the bidder's plant is still certified before material is picked up at various plant locations throughout the life of the contract.

GUARANTEE AND LIABILITY

The contractor accepts the following guarantees:

The contractor holds and saves the State, its officers, agents, and employees harmless from liability of any kind, including cost and expenses on account of any patented or unpatented invention, articles, devices or appliances manufactured or used in the performance of this contract, including use by the government.

PRICES

All prices quoted shall be in the unit of measure as shown on the Bid Schedule and shall remain firm for the contractual period. Unit price bid must not exceed four digits to right of decimal point. Unit price submitted beyond four digits will be rounded off to the nearest fourth digit.

Prices quoted shall include all costs incidental to any license or patent that may be held by any company processing the materials bid on and the dealer agrees to hold

the Department of Transportation and Development harmless from any claims, suits, costs or penalties for infringement or use of licensed or patented products.

BID OPENING

Bids will be publicly opened and read but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined 72 hours after bid opening. Information pertaining to completed files may be secured by visiting the Department of Transportation and Development during normal working hours.

BASIS OF AWARD

The contract for furnishing Asphaltic Mixture for Hot Application herein specified for the period indicated shall be awarded to the **bidder(s) offering Asphaltic Mixture for Hot Application at plants which have been certified by the Department prior to award and complying to all details of this contract proposal as determined by the DOTD Procurement Director. It will be up to the District Administrator to select the certified plant closest to the job site based upon the unit price bid and the current mileage factor. Mileage will be computed on the basis of \$.15 per mile for the first 41 miles, then \$.75 per mile thereafter.**

Aggregates must be from an approved source listed on Qualified Products List No. 2. A copy of Qualified Products List No. 2 is attached for your reference.

Polymer Modified Asphalt PAC-40HG and PAC-30 must be from an approved source listed on Qualified Products List No. 41. A copy of Qualified Products List No. 41 is attached for your reference.

Plants which are established and certified during the life of the contract may be considered for supplemental award based on factors which are advantageous to the Department. The decision will be based on the best interest of the Department as determined by the DOTD Procurement Director. Awards will not be made if plant is within a radius of ten (10) road miles of a plant location which was awarded at the original contract award.

Discounts will not be considered in determining low bidder.

MATERIAL AVAILABILITY

Contractors must be in a position to furnish Asphaltic Mixture for Hot Application as requested by District Administrator.

It will be the responsibility of the Contractor to give the District Administrator a forty-eight (48) hour notice as to when the plant will be out of operation and/or in the event that the plant is shut down permanently.

PURCHASE ORDERS

Purchase Orders will be issued by the Department of Transportation and Development. Each purchase Order will state an actual or estimated quantity that is required and all other pertinent data necessary to assist the contractor to make proper delivery. In no event shall delivery be made without proper authorization.

INVOICES

Upon each delivery and its acceptance by the Department, the contractor shall bill the Department by means of an invoice and such invoice shall make reference to the Purchase Order Number on which delivery was made.

At the time of delivery, the contractor is to make a delivery receipt on his own form showing complete description, the exact quantity delivered, price and extension. Such delivery ticket must make reference to the Purchase Order Number.

Invoices shall be submitted by the contractor in triplicate directly to the address shown on the Purchase Order.

Invoice price must agree with contract price.

PAYMENTS

Invoices will be paid by the Department within the discount period or within thirty calendar days from receipt of correct invoice. If contractor proposes a discount, discount period will start from receipt of correct invoice.

SAMPLING AND ACCEPTANCE

All Asphaltic Mixture for Hot Application shall be sampled and accepted in accordance with the standard method of sampling asphaltic material as outlined in the Department's Sampling Manual.

TAXES

The contractor is responsible for including all applicable taxes in the bid price.

State Agencies are exempt from all State and Local Sales and Use Taxes.

REJECTION OF BIDS

The Department of Transportation and Development reserves the right to reject any and all bids and/or waive any informalities.

TERMINATION OF CONTRACT

The Department reserves the right to terminate this contract prior to the end of the contract period upon giving a ten (10) day written notice to the contractor for unsatisfactory performance, unsatisfactory delivery, unsatisfactory service, failure to meet specifications, misrepresentation by the contractor, fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the State, conflict of contract provisions with constitutional or statutory provisions of State or Federal Law, any breach of contract, and/or if it is considered in the best interest of the Department.

All orders delivered prior to the effective date of such termination shall be paid for by the Department in accordance with the terms of the contract, whereupon all obligations of both parties to the contract shall cease.

In the event contract contains a provision entitled "Guarantees" such guarantees shall apply to all items delivered prior to termination.

SIGNATURE OF BIDDER

To be considered for an award, all bidders shall fill in the contract proposal completely and shall sign in the appropriate places. Contract proposal form should be returned in its entirety. Acceptance shall be made when signed by the DOTD Procurement Director and copy returned to the contractor.

APPLICABLE LAW

All contracts shall be construed in accordance with and governed by the Laws of the State of Louisiana.

BIDDERS CERTIFICATION OF EEOC AND ADA COMPLIANCE

The Department of Transportation and Development and the State of Louisiana is an equal opportunity employer and looks to its contractors, subcontractors, vendors and suppliers to take affirmative action to affect this commitment in its operations.

By submitting and signing this bid, bidder certifies that he agrees to abide by the requirements of the following as applicable: Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, Federal Rehabilitation Act of 1973, as amended, the Veteran's Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, The Age Act of 1975, and bidder agrees to abide by the requirements of the Americans With Disabilities Act of 1990.

Bidder agrees not to discriminate in its employment practices and will render services under any contract entered into as a result of this solicitation without regard to race, color, religion, sex, national origin, veteran status, political affiliation, or disabilities.

Any act of discrimination committed by bidder, or failure to comply with these statutory obligations when applicable shall be grounds for termination of any contract entered into as a result of this proposal.

Bidder agrees to keep informed of and comply with all Federal, State and local laws, ordinances and regulations which affect his employees or prospective employees.

SPECIAL ACCOMMODATIONS

Any person who is a "qualified individual with a disability" as defined by 42 USC 12131 of the Americans With Disabilities Act who has submitted a bid on this procurement and who desires to attend the bid opening, must notify this office in writing no later than seven (7) working days prior to the bid opening date of their need for special accommodations. If the requested accommodations cannot be reasonably provided, the individual will be so informed prior to the bid opening date.

INDEMNITY

Contractor agrees, upon receipt of written notice of a claim or action, to defend the claim or action, or take other appropriate measures, to indemnify, and hold harmless, the State, its officers, its agents and its employees from and against all claims and actions for bodily injury, death or property damages caused by the fault of the contractor, its officers, its agents or its employees. Contractor is obligated to indemnify only to the extent of the fault of contractor, its officers, its agents, or employees.

However, the contractor shall have no obligations as set forth above with respect to any claim or action from bodily injury, death or property damages arising out of the fault of the State, its officers, its agents or its employees.

SIGNATURE AUTHORITY

In accordance with Louisiana Revised Statute 39:1594(Act121), the person signing this bid must be:

1. A current corporate officer, partnership member or other individual specifically authorized to submit a bid as reflected in the appropriate records on file with the Secretary of State, or
2. An individual authorized to bind the vendor as reflected by an accompanying corporate resolution, certificate or affidavit, or
3. An individual listed on the State of Louisiana bidder's application as authorized to execute bids.

By signing the bid, the bidder certifies compliance with the above.

By signing the bid, the bidder further certifies compliance with all Instructions to Bidders, terms, conditions and specifications and further certifies that this bid is made without collusion or fraud.

For good cause and as consideration for executing this contract, the contractor hereby conveys, sells, assigns and transfers to the State of Louisiana all rights, title and interest in and to all causes of action it may now or hereafter acquire under the Antitrust Laws of the United States and the State of Louisiana, relating to the particular goods or services purchased or acquired by the State of Louisiana pursuant to the Department of Transportation and Development.

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS**

ASPHALTIC MIXTURES FOR HOT APPLICATION

DESCRIPTION:

The material shall consist of a mixture of aggregates and asphalt with additives.

Type 1M (Hard Rock) - Mix shall consist of one of the following combinations: crushed gravel, crushed stone, crushed slag, or a combination of these materials; sand; mineral filler; and asphalt with additives.

Type 6M (Sand) - Mix shall consist of crushed gravel, stone or slag; sand; mineral filler; and asphalt with additives.

COMPOSITION AND PROPORTIONING:

Aggregates and asphaltic material shall be combined in such proportions that the mixtures shall meet the following requirements:

<u>Type 1M</u>	<u>% By Weight</u>
Aggregates	93.0 – 95.0
Asphalt	5.0 – 7.0

<u>Type 6M</u>	<u>% By Weight</u>
Aggregates	91.0 – 94.0
Asphalt	6.0 – 9.0

MATERIALS:

Test methods shall be latest in effect.

- (a) Aggregates: All aggregates, except fine sand, shall be from an approved source on Qualified Products List No. 2. Crushed aggregate shall have a minimum of 70%

crushed faces as determined in accordance with DOTD TR 306.

Aggregates shall conform to the following gradation when tested in accordance with DOTD TR-113.

U. S. Sieve	% Passing By Wt.	
	Type 1M	Type 6M
1 Inch	100	---
3/4 Inch	98 – 100	---
1/2 Inch	90 – 100	---
3/8 Inch	70 – 100	100
No. 4	50 – 75	85 – 100
No. 10	32 – 55	50 – 75
No. 40	16 – 33	24 – 40
No. 80	10 – 20	16 – 28
No. 200	6 – 12	8 – 18

Any approved DOTD wearing course mixture that does not contain PAC-30 or PAC-40HG polymer modified asphalt cements may be substituted for Type 1M mix.

(b) Asphalt: Asphaltic material shall be Grade AC 30 asphalt cement from a source listed on Qualified Products List No. 41, and conforming to Table 1, except as provided elsewhere herein.

(c) Additives: Anti-stripping additive shall be an approved product on Qualified Products List No. 57 added at approximately 0.5% by weight of asphalt cement.

RECYCLED MIX:

At the producer's option, reclaimed asphaltic concrete may be used in the mixtures. Mixtures containing reclaimed asphaltic concrete will be subject to the requirements specified herein with the following modifications.

All asphaltic concrete mixtures (except final wearing course mixtures for travel lanes) may contain a maximum of 30% reclaimed asphaltic concrete; this includes mixtures for base course, binder course, and wearing course for shoulders and temporary detour roads. The final wearing course mixture for travel lanes, with or without friction course, may contain a maximum of 15% reclaimed asphaltic concrete; however, such reclaimed material shall contain no expanded clay aggregate.

Reclaimed material shall be stockpiled separately from other materials at the plant and will be subject to approval prior to use. Such stockpiles shall be uniform and free of soil, debris,

foreign matter and other contaminants. Reclaimed materials that cannot be readily broken down in the mixing process or that adversely affect paving operations shall be crushed to pass a 2" sieve prior to use.

Mixing shall be performed in either a batch plant or a dryer-drum plant; however, the plant shall be modified as required to permit recycling operations in conformance with air pollution standards. A separate cold feed system, including weight indicating apparatus, shall be provided for recycled material.

The quantity of reclaimed asphaltic concrete used shall be at the contractor's option and shall be designated in the job mix formula. If mixtures contain less than 20% reclaimed materials, Grade AC-30 asphalt cement shall be used. Grade AC-10 asphalt cement shall be used in mixtures containing from 20 to 30% reclaimed materials. The mixture produced shall conform to requirements for the type mixture specified. The Department reserves the right to require the contractor to reduce the percentage of reclaimed asphaltic concrete such that control and acceptance criteria are consistently maintained.

New aggregates shall be dried and heated to a sufficiently high temperature to produce a mixture with a discharge temperature of at least 280° F.

PREPARATION AND PROCESSING OF MIXTURES:

Preparation and processing of mixtures shall be in accordance with Sections 501 and 503 of the Standard Specifications. Plants supplying asphaltic mixtures must be certified by the District Laboratory.

MEASUREMENT AND PAYMENT:

Asphaltic concrete will be measured and paid for by the ton of 2,000 pounds from printed weights as provided in Section 503.

If asphaltic material does not conform to specifications, the final test results will be applied to the appropriate schedule of Table 1 and any adjustment in unit price will be made as specified.

If the test results are such that a penalty would result from more than one test value, only the price adjustment for the greatest reduction will apply.

SAMPLING:

Sampling shall be in accordance with the Materials Sampling Manual.

TABLE 1
ASPHALT CEMENT, MODIFIED AASHTO GRADES AC-10 AND AC-30

Test Method		Percent of Contract Unit Price/Ton Of Asphaltic Concrete					
		AC-10 ¹			AC-30 ¹		
		<u>Specifications</u> 100	<u>Deviations</u> 95 90 or Reject ²		<u>Specifications</u> 100	<u>Deviations</u> 95 90 or Reject ²	
Penetration, 25°C (77°F), 100 g, 5 sec.	AASHTO T-49	85±3		79-	55± ⁴		49-
Viscosity, 135°C (275°F), SSF ⁵	ASTM E-102	125+			175+		
Viscosity, 135°C (275°F), cSt	AASHTO T-201	250+	200-249	199-	350+	300-349	299-
Viscosity, 60°C (140°F), Poises	AASHTO T-202	1000±200		799- 1201+	3000±600		2399- 3601+
Solubility in Trichloroethylene, %	AASHTO T-44	99.0+			99.0+		
Flash Point, COC, °C (°F)	AASHTO T-48	218(425)		217(424)-	232(450)+		231(449)-
Tests on Residue from Thin Film Oven Test:							
Viscosity, 60°C (140°F), Poises	AASHTO T-202	4000-		4001+	12000-		12000+
Ductility, 25°C (77°F), 5 cm/min.	AASHTO T-51	100+	70-99	69-	100+	70-99	69-
Thin Film Oven Test, % loss @ 325°F, 5 hr	AASHTO T-179	0.50-		0.51+	0.50-		0.51+
Spot Test (Standard Naptha Solvent)	AASHTO T-102	Neg		Pos	Neg		Pos

¹ All values are inclusive.

² At the option of the Department.

³ For samples obtained at point of delivery, the penetration requirement shall be 80±.

⁴ For samples obtained at point of delivery, the penetration requirement shall be 50±.

⁵ For samples obtained at point of delivery, the viscosity @ 275° F may be determined using ASTM E 102.

Stock Number
24-05-5125
24-05-5130

MS Spec. 164-004
Dated November 1995
7 Pages

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS**

POLYMER MODIFIED ASPHALTIC MATERIALS

DESCRIPTION:

These specifications cover polymer modified asphaltic materials for road maintenance.

GENERAL REQUIREMENTS:

Polymer modified asphalt shall be prepared by the refining of petroleum. It shall be uniform in character, free from water, and shall not foam when heated to 350°. Asphalt shall be from an approved source on Qualified Products List No. 41.

Storage tanks, piping, retorts, booster tanks, distributors and other equipment used in delivering, storing or handling asphaltic materials shall be kept clean and in good operating condition and shall be operated in such manner as to avoid contamination of the contents with foreign materials.

Test methods shall be the latest in effect in addition to the ones included in this specification. Final test results for polymer modified asphaltic materials will be applied to the proper table herein for conformance to specifications. Any deviation from the specifications will result in a payment adjustment as specified. If test results are such that a price adjustment would result from more than 1 test value, the payment adjustment for the greatest reduction shall apply.

The adjustment in pay for polymer modified asphaltic materials shall be applied only to samples taken at the point of delivery. Samples taken at the refinery shall conform to specification requirements; if the refinery sample fails to meet these requirements, the material will be rejected and shall not be shipped.

SAMPLING:

Sampling will be in accordance with the Materials Sampling Manual.

TABLE 1
POLYMER MODIFIED ASPHALT CEMENTS¹

PROPERTY APPLICABLE TO ASPHALTIC CONCRETE	AASHTO TEST METHOD	PAC-40HG			PAC-30		
		Specification	Deviation		Specification	Deviation	
		100	95	90 or Remove	100	95	90 or Remove
Penetration @ 25° C, 100 g., 5 sec.	T 49	50-75 ⁷	---	44- 81+	50+ ⁸	---	44-
Viscosity ² , @ 60° C, Poise	T 202 ⁹	4,000+	---	3,400-	3,000+	---	2,400-
Viscosity @ 135° C, cSt	T 201 ⁹	2,000-	2,001-2,050	2,051+	2,000-	2,001- 2,050	2,051+
Flash Point, ° C	T 48	232+	---	230-	232+	---	230-
Solubility ³ , %	T 44	99.0+	---	---	99.0+	---	---
Separation of Polymer ⁴ 163° C, 48 hours difference in R & B from top to bottom sample, ° F	---	4-	---	---	4-	---	---
Force Ductility ⁵ (f_2/f_1 , 4° C, 5 cm/min., 30 cm elongation)	---	0.30+	---	0.29-	---	---	---
Force Ductility ⁵ , 4° C, 5 cm/min., 30 cm elongation, lb	---	---	---	---	0.50+	---	0.49-
Test for Residue from Thin Film Oven Test Penetration Retention, %	T 49	50+	---	49-	50+	---	49-
Elastic Recovery ⁶ , 25° C, 10 cm elongation, %	---	60+	---	59-	40+	---	39-

¹ The following specifications shall define either Polymer Modified Asphalt Cement materials preblended or the sampled base asphalt cement plus additive combined at the plant site.

² The absolute viscosity shall be run in a Modified Koppers vacuum capillary viscometer. Report the viscosity at a shear rate of 1 reciprocal second.

³ Not all polymers are soluble in the specified solvents. If the polymer modified asphalt digested in the solvent will not pass the filter media, a sample of the base asphalt used in making the polymer modified asphalt should be tested for solubility. If the solubility of the base asphalt is at least 99.0%, the material shall be considered as passing.

⁴ Separation of Polymer Test - See following test method. To be used for preblended modified asphalt cement materials or batched and stored materials. This test will be for informational purposes only.

⁵ For Force Ductility Test, see following test method for PAC-40HG. For PAC-30, the Force Ductility test shall conform to ASTM P-226-92.

⁶ For Elastic Recovery Test - See the following test method.

⁷ For samples obtained at the point of delivery, the penetration requirement shall be 45-80.

⁸ For samples obtained at the point of delivery, the penetration requirement shall be 45+.

⁹ ASTM D 4957 may be used to determine viscosity.

TABLE 2
ANIONIC EMULSIFIED POLYMER MODIFIED ASPHALT

PROPERTY	TEST METHOD	SS-1P		
		SPECIFICATION	DEVIATION	
		100	80	50 or Remove
Viscosity, Saybolt 25° C, SSF	AASHTO T 59	20-100	10-19 101-150	9- 151+
Storage Stability, 24 Hour, %	AASHTO T 59	1.0-	---	---
Sieve Test, retained on the No. 20, %	AASHTO T 59	0.1-	---	---
Residue by Distillation ¹ , 250° C	ASTM D 244	57+	---	56-
TESTS ON RESIDUE FROM DISTILLATION TEST:				
Penetration, 25° C, 100g, 5s	AASHTO T 49	100-200	88-99 201-212	87- 213+
Solubility, %	AASHTO T 44	97.5+	---	---
Force Ductility ² f ₂ /f ₁ , 4° C, 5 cm/min	---	0.15+	---	0.14-
Elastic Recovery ³ , 10° C, 20 cm elongation 60 min, %	---	30+	---	29-

¹ ASTM D 244 Residue by Distillation is modified to include a maximum of 204° C to be held for a period of 15 minutes.

² For Force Ductility test see the following test method.

³ For Elastic Recovery test see the following test method.

TABLE 3
ANIONIC EMULSIFIED LATEX MODIFIED ASPHALT

PROPERTY	TEST METHOD	SS-1L		
		SPECIFICATION	DEVIATION	
		100	80	50 or Remove
Viscosity, Saybolt 25° C, SSF	AASHTO T 59	20-100	10-19 101-150	9- 151+
Storage Stability, 24Hour, %	AASHTO T 59	1.0-	---	---
Sieve Test, retained on the No. 20, %	AASHTO T 59	0.1-	---	---
Residue by Distillation ¹ , 204° C, %	ASTM D 244	57+	---	56-
TESTS ON RESIDUE FROM DISTILLATION TEST:				
Penetration, 25° C, 100g, 5s	AASHTO T 49	100-200	88-99 201-212	87- 213+
Ductility, 5 cm/min., 4° C	AASHTO T 51	50+	41-49	40-
Elastic Recovery ² , 10° C, 20 cm elongation 60 min, %	---	50+	---	49-
Softening Point, Ring & Ball, ° C	AASHTO T 53	50.0+	45.1-49.9	45.0-

- ¹ ASTM D244, Residue by Distillation, Section 12, is modified as follows: The temperature on the lower thermometer shall be brought slowly to $204 \pm 5^{\circ} \text{C}$ and maintained at this point for 15 minutes. Generally, the distillation should be complete at this point and must be accomplished within a maximum of 60 minutes.
- ² For Elastic Recovery test see the following test method.

SEPARATION OF POLYMER TEST

1. Scope

1.1 The separation of polymer from asphalt cement during hot storage is evaluated by comparing the ring and ball softening points of top and bottom samples taken from a conditioned sealed tube of polymer modified asphalt. The conditioning consists of placing a sealed tube of polymer modified asphalt in a vertical position in a 325°F oven for a 2 day period.

2. Referenced Documents

2.1 AASHTO T 53 Softening Point of Asphalt (Bitumen) and Tar in Ethylene Glycol (Ring-and-Ball).

2.2 ASTM E 11 Specifications for Wire Cloth Sieves for Testing Purposes.

3. Apparatus

3.1 Aluminum Tubes - The tubes are used to hold the test sample during the conditioning. The cylinders are defined as 1 inch diameter by 5 1/2 inches length blind aluminum tubes.

3.2 Oven - An oven capable of maintaining $325 \pm 10^{\circ} \text{F}$.

3.3 Freezer - A freezer capable of maintaining $20 \pm 10^{\circ} \text{F}$.

3.4 Rack - A rack capable of holding the aluminum tubes in a vertical position in an oven or in the freezer

3.5 Shears (or spatula and hammer) - The shears (or spatula and hammer) shall be rigid and sharp to allow cutting of the tube containing the polymer modified asphalt when it is at low temperature.

4. Procedure

4.1 Place the empty tube, sealed end down, in the rack.

4.2 Carefully heat the sample until sufficiently fluid to pour. Care should be taken to avoid localized overheating. Strain the melted sample through a No. 50 sieve conforming to ASTM E 11. After a thorough stirring, pour 50.0 g into the vertically held tube. Fold the excess tube over two times and crimp the seal.

4.3 Place the rack containing the sealed tubes in a $325 \pm 10^\circ \text{F}$ oven. Allow the tubes to stand undisturbed in the oven for a period of 48 ± 1 hour. At the end of the heating period, remove the rack from the oven and immediately place in the freezer, at $20 \pm 10^\circ \text{F}$ taking care to keep the tubes in a vertical position at all times. Leave the tubes in the freezer for a minimum of 4 hours to completely solidify the sample.

4.4 Upon removing the tube from the freezer, place the tube on a flat surface. With the shears (or spatula and hammer), cut the tube into three equal length portions. Place the top and bottom portions into separate marked beakers. Place the beakers in a $325 \pm 10^\circ \text{F}$ oven until sufficient fluid to remove the pieces of aluminum tube.

4.5 After a thorough stirring, pour the top and bottom samples into the appropriately marked rings of the ring and ball softening point test. Prepare the rings and apparatus as described in AASHTO T 53.

4.6 The top and bottom sample from the same tube should be run at the same time on the softening point test.

5. Report

5.1 Record the softening point of the top and bottom portions of the sample. Duplicate separation tests should be run.

FORCE DUCTILITY TEST

The force ductility test follows procedures as specified in ASTM D 113 - "Ductility of Bituminous Materials" with the following conditions and modifications:

- (a) Temperature - 4°C
- (b) Rate of Travel - 5 cm/min.

- (c) The standard V-shaped sides for the specimen mold shall be replaced by straight-sided inserts of the same length, so that the specimen will contain a section 1 cm x 1 cm x 3 cm.
- (d) A calibrated force adapter is placed on one end of the specimen mold, so that the tensile force can be determined at any point during the elongation.

The force ductility is defined as the force at 30 cm elongation (f_2) divided by the maximum force at the initial peak (f_1). Report the force ductility to the nearest hundredth (0.01).

ELASTIC RECOVERY

1. Ductilometer Temperature:

Polymerized Asphalt Cement	25° C
Emulsified Polymer or Latex Modified Asphalt	10° C

2. Procedure: Condition the ductilometer and samples to be tested at the temperature prescribed for that material. Prepare the brass plate, mold and briquet specimen in accordance with ASTM D 113, "Ductility of Bituminous Materials". The standard V-shaped sides for the specimen mold shall be replaced by straight-sided inserts of the same length, so that the specimen will contain a section 1 cm x 1 cm x 3 cm. With the specimen at the specified test temperature, place the specimen in the ductilometer and immediately elongate the specimen to 10 cm for Polymer Modified Asphalt Cement or 20 cm for Emulsified Polymer or Latex Modified Asphalt. The rate of pull shall be 5 cm/min, unless otherwise stated. For Polymer Modified Asphalt Cement, clip the sample approximately in half with scissors or other suitable cutting device immediately after reaching the 10 cm elongation. For Emulsified Polymer or Latex Modified Asphalt, allow the sample to remain in its elongated position for 5 ± 0.25 minutes after reaching the 20 cm elongation, then clip the sample approximately in half with scissors or other suitable cutting device. Let the severed sample remain in the ductilometer in an undisturbed condition for 1 hour. At the end of this time period, carefully move the traveling carriage back to a position where the severed ends of the specimen touch. Observe and record the elongation of the specimen with severed ends just touching each other.

3. Calculation: Calculate percent recover by the following formulas:

For Polymer Modified Asphalt Cement

$$\% \text{ Recovery} = \frac{10 - a}{10} \times 100$$

Where:

a = observed elongation after rejoining of sample, cm.

For Emulsified Polymer or Latex Modified Asphalt

$$\% \text{ Recovery} = \frac{20 - a}{20} \times 100$$

Where:

a = observed elongation after rejoining of sample, cm.

State of Louisiana
Department of Transportation and Development

Qualified Products List 2

AGGREGATES

Aggregates from the following sources have demonstrated the capability to conform to the quality requirements of Section 1003 of the Department's Standard Specifications for Roads and Bridges, except as noted.

Superscript numbers placed **behind** the source, material, or column heading throughout this list indicate the existence of restrictions, exceptions, or special applications for sources and/or material. See 'Endnotes' and 'Notes' at the end of each section for legend and application.

A. CHERT GRAVEL AND SILICA SAND

Chert gravels on this list have a Friction Rating of III when used as a coarse aggregate for Asphaltic Concrete. Friction Ratings are defined in Subsection 1003.06

1. IN-STATE SOURCES - BY DISTRICT

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{A3}
DISTRICT 03		
A305	B & D Sand Pit (Parks)	Sand Only
A303	Henderson Pit (Broussard) ¹	Sand Only
A306	Vermilion Shell and Limestone Company, Inc. (Abbeville) ²	Sand Only
DISTRICT 04		
A407	Billy Cobb Industries (Coushatta)	2.58
A417	Cobb Gravel (Martin) ¹	Sand Only
A420	Cobb Gravel (Castor) ¹	Sand Only
A413	Cobb Gravel - M3 (Coushatta)	Sand Only
A414	Cobb Gravel - M4 (Coushatta)	2.54 Gravel Only

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{4,5}
DISTRICT 04 (continued)		
A403	Hanson Aggregates #1 (Sibley)	2.59
A405	Hanson Aggregates #2 (Sibley)	2.57
A421	Hanson Aggregates #3 (Dixie Inn) ³	2.59
A423	Hanson Aggregates #4 (Dixie Inn)	Sand Only
A424	Hanson Aggregates #5 (Sibley)	Sand Only
A411	Leon Gray (Sibley)	2.59
A404	Madden Pit (Minden)	Sand Only
A412	Raley Pit (Coushatta)	2.60
A415	Red River Gravel Company, Inc. #1 (Martin) ¹	Sand Only
A418	Red River Gravel Company, Inc. #2 (Martin)	2.58
A419	Ryan Sand & Gravel Company (Ringgold)	Sand Only
A422	Sentell Gravel Pit (Minden) ³	2.60
A425	Tri-State Sand & Gravel, Inc. #1 (Sibley) Haughton ⁴	2.57
A426	Tri-State Sand & Gravel, LLC, Westfield Rd. Pit (Sibley, LA) ⁴	2.58
A416	Wilson Pit (Coushatta)	2.60

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{A-3}
DISTRICT 05		
A512	Century Ready Mix (West Monroe) ³	2.50 Gravel Only
A509	Century Ready Mix #2 (Jonesboro Road) Monroe	Sand Only
A510	Mississippi Limestone Corporation (Talla Bena) ¹	Sand Only
A504	Monroe Sand & Gravel (Perryville)	Sand Only
A511	Monroe Sand & Gravel (West Monroe)	Sand Only
A506	Runyon Sand & Gravel (Mound)	2.55
A505	Twin City Sand & Dirt (West Monroe)	2.54
A502	TXI (Perryville)	2.54
DISTRICT 07		
A701	Hanson Aggregates (Indian Village)	2.56
A707	Hanson Aggregates (Turkey Creek)	Sand Only
A706	Industrial Gravel (St. Landry)	2.57 Gravel Only
A710	Kinder Sand Company (Kinder) ²	Sand Only
A708	St. Landry Gravel Company (St. Landry)	Sand Only
A704	Southwest Aggregates, Inc. (Merryville)	2.54

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{^3}
DISTRICT 07 (continued)		
A702	Trinity (Indian Village)	Sand Only
A703	Trinity (Longville)	2.55
A709	Village Sand, Inc. (Indian Village)	Sand Only
DISTRICT 08		
A824	Anacoco Corporation, Inc. (Merryville)	2.55
A801	Arnold's Gravel (Merryville)	2.56
A833	Bohannon Pit (Paradise) ¹	Sand Only
A838	Burns Sand & Gravel (New Llano) ⁴	2.57
A831	D.P.W.P. Sand & Gravel (Dry Prong)	2.44
A839	Davis Sand & Gravel (DeRidder) ³	2.57
A803	Hanson Aggregates (Glenmora)	2.54
A804	Gravel Products (Joshlin Pit #2) Merryville	2.54
A817	Gray Pit (Colfax) (Leased to K & M Const.)	2.53
A832	Larry Grayson Pit (Old James Pit) Forest Hill ³	2.51
A829	Herron Sand & Gravel (Anacoco)	2.48
A840	Hodnett Pit (Pollock) Alexandria	Sand Only

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{A-3}
DISTRICT 08 (continued)		
A823	Industrial Gravel Company (Bobby Johnson Pit) Lonepine	2.56
A802	Industrial Gravel, Inc. (Forest Hill)	2.53
A828	L. G. Gravel Company (Forest Hill)	2.54
A834	L. G. Gravel Company (Melder) Leconte	2.53
A835	Robbie Long Pit (Colfax)	Sand Only
A827	B. G. Lutes & Son #1 (Colfax)	2.54
A830	B. G. Lutes & Son #2 (Pollock)	2.50 Gravel Only
A811	Mid State Sand & Gravel (Gardner)	2.56
A812	Mid State Sand & Gravel (Woodworth)	2.54
A825	J. L. Sandifer Pit (Colfax)	2.53
A813	Sewell's Pit (DeRidder)	2.57
A837	Tanner Pit (Pinewood)	2.54
A820	TXI (Anacoco)	2.56
A808	TXI (Paradise)	2.53

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{A-3}
DISTRICT 08 (continued)		
A822	TXI (Woodworth) ⁵	2.54
A836	Vernon Sand & Gravel (Anacoco) ³	2.45
A826	Wiggins Gravel Company (Alexandria)	2.51
DISTRICT 58		
A915	Aimwell Aggregates, Inc. (Aimwell)	2.54
A902	Chisium Sand & Gravel (Sicily Island)	2.53
A909	H. H. Hanks Gravel (Sicily Island)	2.56 Gravel Only
A911	Head Concrete, Inc. (Wisner)	2.54
A908	Manifest Gravel Company (Manifest)	2.54
A903	Sicily Island Sand & Gravel (Sicily Island)	2.53
A914	Swim Enterprises, Inc. (Columbia)	Sand Only
A913	TXI Corporation (Jena) ³ (formerly Central Sand & Gravel)	2.55
A904	Western Gravel Company (Jena)	2.54
DISTRICT 61		
A601	Ace Sand & Gravel (Baywood)	2.54

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{A-3}
DISTRICT 61 (continued)		
A602	Acme Sand & Gravel (Baywood)	2.53
A630	Allgood, Inc. (Bluff Creek) ³	2.55
A604	B & B Gravel Company (Bluff Creek)	2.54
A631	B. & M. B., Inc. (Harvey Pit) St. Francisville	Sand Only
A628	Bear Industries (Port Allen) ¹	Sand Only
A623	Bunch's Sand & Gravel (Bluff Creek) ³	2.53
A629	J. K. Cowan, Sr. Contracting Company (Greenwell Springs) ³	2.50
A621	Homer Elam Sand & Gravel (Jackson)	2.52
A617	Feliciano Sand & Gravel (Jackson)	2.52
A632	Hooper Road Dirt Pit (Baton Rouge)	Sand Only
A619	Industrial Sand Company (Clinton)	Sand Only
A606	Lambert Sand & Gravel (St. Francisville)	2.55
A634	Little D Sand & Gravel (Naquin Pit) Bluff Creek	Sand Only
A620	M. J. Materials (Greenwell Springs)	2.51
A616	J. P. Messina Gravel Company, Inc. (Baywood)	2.53

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{A-3}
DISTRICT 61 (continued)		
A613	Plaquemine Sand & Gravel (Bluff Creek)	2.52
A609	Resource Material Company (Bluff Creek)	2.51
A626	Southern Silica of LA (Baywood South) Greenwell Springs ³	2.54
A633	Southern Silica of LA (Baywood North) Baywood ³	2.50
A607	TXI #1 (Baywood)	2.53
A608	TXI #2 (Baywood)	2.53
A622	Thomas Sand & Gravel (Jackson Plant) Greenwell Springs	2.53
A610	Thomas Sand & Gravel #1 (Baywood)	2.53
A611	Thomas Sand & Gravel #2 (Baywood)	2.53
A612	Tiffin Sand & Gravel (Bluff Creek)	2.51
DISTRICT 62		
AX24	A-1 Sand and Gravel (Tangipahoa) Mt. Hermon ³	2.51 Gravel Only
A156	A-1 Sand and Gravel (Warnerton) Mt. Hermon	2.52
AX04	Accardo Materials, Inc. (Isabel) ³	2.57
AX17	Addison/St. Helena (Dennis Mills) ³	2.53

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ³
DISTRICT 62 (continued)		
AX33	Aggregate Materials, Inc. (Dennis Mills) ³	2.55
AX48	Allgood, Inc. (Denham Springs) ³	2.50
A104	Amite Sand & Gravel #1 (Dennis Mills)	2.52
A187	Amite Sand & Gravel #2 (Watson)	2.53
AX06	Amite Sand & Gravel #3 (Watson) ³	2.54
A184	Anderson Gravel Corporation (Amite)	2.53
A106	B. B. Development (Pearl River)	2.45
A188	B & B Sand & Gravel (Kentwood)	2.51
AX23	B & C Asphalt (Roseland) ³	2.51
AX27	B & D Construction (Franklinton)	2.53
AX42	B & J, Inc. (McCain Pit) Franklinton ³	2.53
AX11	B & W Materials, Inc. (Pearl River) Slidell ³	2.49
A183	Carrier Enterprises, Inc. (Kentwood)	2.47 Gravel Only
AX45	C.O.B. Sand and Gravel, L.L.C. (Pearl River) ³	2.48

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{^3}
DISTRICT 62 (continued)		
A115	Core Contracting (Isabel)	2.50
AX19	Covington Pavement (Isabel)	Sand Only
AX38	Custom Materials, Inc. (Hunt Pit) Franklinton ³	2.52
A193	Delta Asphalt (Arcola) ¹	Sand Only
AX66	Diamond B Construction Co. (Tangipahoa/Ballard Pit) Kentwood ³	2.55
AX08	Double A Aggregates, Inc. (Independence) ³	2.52
A180	EM-Jay Material (Johnsons Boys Gravel) (Watson)	2.52
A186	Esco, Inc. (Denham Springs)	2.50
A185	Esco, Inc. (Grangeville)	2.54
AX47	Fleniken Sand & Gravel, Inc. (Grangeville)	2.68
AX10	Fornea and Sons Trucking #1 (Angie) ³	2.48
A159	Fornea and Sons Trucking #2 (Angie) ³	2.48
A182	Gravel Suppliers, Inc. (Franklinton)	2.53
A120	Gravel Suppliers, Inc. (Clifton)	2.50
A170	O. A. Green & Son, Inc. (Bogalusa)	2.52

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{A-3}
DISTRICT 62 (continued)		
AX07	Guilott Gravel Company (Bogalusa) ⁴	2.52
AX21	Guilott Gravel Company #2 (Bogalusa) Isabel ³	2.51
A152	Carl Guilott Gravel Company (Bogalusa)	2.50
AX49	Gulf Coast Gravel Company (Grangeville) Denham Springs ³	2.56
AX26	Hartner (Grangeville) ³	2.54
A125	Hornsby Sand & Gravel (Grangeville)	2.52
AX03	Industrial Gravel Contractors of LA, Inc. (Grangeville)	2.49
A192	Joiner Dirt Pit	2.50 Gravel Only
AX09	Kivett Sand & Gravel Company (Bush) ³	2.50
AX61	Langley Sand & Gravel, L.L.C. (Bush)	2.49
AX25	LaPuma Pit (Independence)	Sand Only
AX50	Little D Sand & Gravel (Nichols Pit) Pine Grove	2.53
AX43	Lon-Land Gravel Company (Franklinton) ³	2.53
AX18	Louisiana Aggregate Resources, Inc. (Arcola) ³	2.55

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ³
DISTRICT 62 (continued)		
A191	Claiborne McDaniel (Kentwood)	2.53 Gravel Only
A196	Claiborne McDaniel (Arcola)	2.54
A135	Mears Sand & Gravel (Dennis Mills)	2.51
AX40	Martin Marietta Aggregates (Dennis Mills)	2.52
AX44	R. A. Michel Industries (Mt. Hermon) Franklinton ³	2.53
A137	Murphy Materials (Pearl River)	2.47
AX36	Murphy Sand and Gravel (Pearl River)	2.50
A108	Pearl River Gravel Company, Inc. (Angie)	2.51
A189	Pelican #1 (Grangeville) ³	2.55
A190	Pelican #2 (Grangeville) ³	2.53
AX16	Penton Sand & Gravel (Franklinton) ³	2.52
A139	Powers Sand & Gravel (Grangeville)	2.53
A102	Quick Sand & Gravel (Watson)	2.52
AX29	Ram Industries (Franklinton) ⁴	2.55

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{A3}
DISTRICT 62 (continued)		
AX28	Rockbottom Sand & Gravel L.L.C. ³	2.46
A177	Rogers Sand & Gravel (Independence) ³	2.52
A111	Rogers Sand & Gravel and CG (Independence)	2.46
A141	Jesse Rogers Gravel Products (Arcola)	2.53
A194	Jesse Rogers Gravel Products (Tickfaw)	Sand Only
AX22	Jesse Rogers Gravel Products #2 (Tickfaw)	2.50
A121	S & G Sand & Gravel (Darlington)	2.53
A143	Smith Sand & Gravel #2 (Mt. Hermon)	2.55
AX64	Smith Sand & Gravel (Enon) ³	2.51
A168	Southeast Aggregates, Inc. #1 (Independence)	2.50
A171	Southeast Aggregates, Inc. #2 (Independence)	2.51
AX12	Southeast Aggregates, Inc. #3 (Clemons Pit) Amite	2.48
AX41	Southeast Aggregates, Inc. #4 (Ballard Pit) Tangipahoa ³	2.54
AX59	Southern Aggregates, L.L.C. (Dennis Mills)	2.52
A195	South Spoon Sand & Gravel (Kentwood)	2.51

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ³
DISTRICT 62 (continued)		
A145	Standard Gravel Company, Inc. (Clifton)	2.53
AX13	Standard Gravel Company, Inc. (Nicholson #7) Pearl River ³	2.51
A151	Standard Gravel Company, Inc. (Enon)	2.50
AX65	Standard Sand & Gravel, Company (Kat Kaw Plant) (Franklinton) ³	2.52 Gravel Only
A132	TXI (Isabel)	2.51
A133	TXI (Dennis Mills)	2.53
A134	TXI (Grangeville)	2.53
AX37	TXI (Magee Pit #97) Franklinton ³	2.52
AX34	TXI (Honey Island) Pearl River	2.47
AX60	TXI (Stanley-Hornsby Plant) (Grangeville) ³	2.55
A181	Thomas Sand & Gravel (Carter Pit) Grangeville	2.55
A178	Thomas Sand & Gravel (Walker Pit) Grangeville ⁴	2.53
AX30	Trail Construction Company (Magee Pit) Clifton ³	2.53 Gravel Only
AX39	Transit Mix Concrete & Materials of LA #383 (Pine Grove) ⁴	2.54

PRODUCT SOURCE CODE	SOURCE	SPECIFIC GRAVITY OF GRAVEL (SSD) ^{A3}
DISTRICT 62 (continued)		
AX46	Trinity Materials, Inc. (Plant #392) Watson ³	2.51
AX15	V & W Gravel (Bogalusa) ³	2.48
A198	Vicks Sand & Gravel #2 (Independence)	2.51
AX67	Ward Line Material, Inc. (Independence) ³	2.50
AX32	Watson Dirt, Sand, & Gravel (Watson) ³	2.51

- End 'In-State' Sources

2. OUT-OF-STATE SOURCES

PRODUCT SOURCE CODE	SOURCE	TYPE OF MATERIAL	SPECIFIC GRAVITY (SSD) ^{A3}
A001	American Sand & Gravel Hattiesburg, MS	Gravel Sand	2.53
A045	Arkadelphia Sand & Gravel Arkadelphia, AR	Gravel	2.56
A048	Avant Sand & Gravel Hampton, AR	Gravel Sand	2.58 2.62
AB34	Barbara's Dirt & Gravel (Fleming Pit) Natchez, MS	Sand	2.62
AA34	Blain Sand & Gravel, Inc. Washington, MS	Gravel Sand	2.54 2.62
AB81	Blain Sand & Gravel (Ford Pit) Natchez, MS	Gravel Sand	2.57 2.62
OUT-OF-STATE SOURCES (continued)			

PRODUCT SOURCE CODE	SOURCE	TYPE OF MATERIAL	SPECIFIC GRAVITY (SSD) ^{A,3}
AB76	B & B Gravel And Trucking Co. ⁴ Bearden, AK	Gravel Sand	2.55 2.62
AA21	B & B Construction Company Camden, AR	Gravel	2.55
AA57	Blain Sand & Gravel, Inc. Crystal Springs, MS	Gravel Sand	2.54 2.62
AB31	Blain Sand & Gravel, Inc. ³ (Cloverhill Pit) Natchez, MS	Gravel Sand	2.57 2.62
AB81	Blain Sand & Gravel (Ford Pit) Woodville, MS	Gravel Sand	2.57 2.62
AB48	A. E. Boyer Company, LLC Prentiss, MS	Gravel	2.44
A004	Braswell Industries Wilton, AR	Gravel	2.57
AB03	Bush Construction Company, Inc. ³ Picayune, MS	Gravel Sand	2.49 2.62
AA47	Camden Gravel Company Locust Bayou, AR	Gravel	2.59
A059	Cook Brothers Sand & Gravel Donaldson, AR	Gravel	2.55
AA67	Cossatot Materials, Inc. ³ Lockesburg, AR	Gravel Sand	2.54 2.62
AA88	Courson, R. M., Inc. ³ Harrell, AR	Gravel Sand	2.56 2.62
OUT-OF-STATE SOURCES (continued)			

PRODUCT SOURCE CODE	SOURCE	TYPE OF MATERIAL	SPECIFIC GRAVITY (SSD) ^{A,3}
AB01	Cranfield Pit Cranfield, MS	Sand	2.62
AB46	D & B Sand & Gravel Co., Inc. ³ Georgetown, MS	Gravel Sand	2.53 2.62
AA87	Dallas Gravel Company ³ Holly Springs, AR	Gravel	2.55
A019	Delight Sand & Gravel Delight, AR	Gravel	2.57
A065	Diamond & Rader Perkinston, MS	Sand	2.62
AA80	Dickerson & Bown Riverside Gravel McComb, MS	Gravel Sand	2.46 2.62
A070	Earnest, L. J. Holly Springs, AR	Gravel	2.55
A007	Fairchild Pit Bearden, AR	Gravel	2.57
AB27	The Fordyce Company ³ Victoria, TX (Briggs Plant)	Gravel Sand	2.74 2.62
AA94	Friese Hauling, Inc. Atmore, AL	Sand	2.62
AB32	Gibson, A. J., Sand & Gravel ² Natchez, MS (Gibson Pit #2)	Sand	2.62
AA99	Gibson Gravel Company ³ McCall Creek, MS	Gravel Sand	2.51 2.62
OUT-OF-STATE SOURCES (continued)			

PRODUCT SOURCE CODE	SOURCE	TYPE OF MATERIAL	SPECIFIC GRAVITY (SSD) ^{A,3}
A009	Hanson Aggregates Millville, AR	Gravel Sand	2.58 2.62
A088	Hanson Aggregates Lewisville, AR	Sand	2.62
A010	Hanson Aggregates Texarkana, AR	Sand	2.62
A092	Hanson Aggregates (Little River) Wilton, AR	Gravel Sand	2.56 2.62
AA54	Hanson Aggregates Ferris, TX	Sand	2.62
AA70	Hanson Aggregates Eagle Mills, AR	Gravel Sand	2.57 2.62
AA17	Hanson Aggregates Delight, AR	Gravel Sand	2.55 2.62
AB23	Hanson Aggregates (Stewart Pit) Waco, TX	Sand	2.62
AA20	Gottrocks, W. B. Nicholson, MS	Gravel Sand	2.48 2.62
AB21	Gravel, Inc. (E. L. McCalip) ⁴ Natchez, MS	Gravel Sand	2.58 2.62
AB67	Green Brothers Gravel Company North of Port Gibson, MS	Gravel Sand	2.52 2.62
AA73	Haddox Pit ³ Prescott, AR	Gravel	2.59
OUT-OF-STATE SOURCES (continued)			

PRODUCT SOURCE CODE	SOURCE	TYPE OF MATERIAL	SPECIFIC GRAVITY (SSD) ^{A-3}
AB57	Hanson Aggregates Prescott, AR	Gravel Sand	2.58 2.62
A060	Hensley Gravel Company Washington, MS	Gravel	2.56
AB26	Hutchinson Island Mining Corporation ⁴ Picayune, MS	Gravel Sand	2.53 2.62
A090	Jet Asphalt & Rock Company Bearden, AR	Gravel Sand	2.54 2.62
A081	Jet Asphalt Hampton, AR	Gravel	2.57
A091	Johnsville Sand & Gravel Johnsville, AR	Gravel Sand	2.55 2.62
AA58	Ladner Bros. Sand & Gravel Gulfport, MS	Sand	2.62
AA96	Ladner Brothers Sand & Gravel ³ Saucier, MS	Gravel Sand	2.51 2.62
AA02	M & M Gravel, Inc. ³ Picayune, MS	Gravel Sand	2.52 2.62
AA07	McDaniel, Claiborne ³ Pike County, MS	Gravel	2.53
A072	Martin Marietta Aggregates Tombigbee, AL	Gravel	2.52
AA68	Martin Marietta Aggregates Mobile, AL	Gravel	2.61
OUT-OF-STATE SOURCES (continued)			

PRODUCT SOURCE CODE	SOURCE	TYPE OF MATERIAL	SPECIFIC GRAVITY (SSD) ^{A-3}
A022	Martin Marietta Aggregates Harrell, AR	Gravel Sand	2.57 2.62
A078	Miller Sand & Gravel Beechwood, MS	Gravel Sand	2.56 2.62
AA16	Mississippi Limestone Corporation Friars Point, MS	Gravel	2.54
AA98	Nashville Gravel ³ Center Point, AR	Gravel	2.57
A055	Ouachita Gravel Company Malvern, AR	Gravel	2.56
A018	Perkinston Sand & Gravel Perkinston, MS	Sand	2.62
AA26	Phillips, Joseph Picayune, MS	Gravel Sand	2.47 2.62
AB44	Pine Bluff Sand & Gravel Company Pine Bluff, AR	Sand	2.62
AB17	Pioneer Concrete of Texas, Inc. ³ (Altair Plant) Houston, TX	Gravel Sand	2.59 2.62
AA45	Polk, Dale & Sons, Inc. (Cedargrove Pit) Washington, MS	Gravel Sand	2.57 2.62
AA75	Quality Sand & Gravel Pit #3 Crossroads, MS	Gravel Sand	2.52 2.62

PRODUCT SOURCE CODE	SOURCE	TYPE OF MATERIAL	SPECIFIC GRAVITY (SSD) ^{A-3}
OUT-OF-STATE SOURCES (continued)			
AB24	Reid & Sons Sand & Gravel, Inc. ⁴ (Goss Plant) Columbia, MS	Gravel Sand	2.49 2.62
A020	Runyon Pit Beechwood, MS	Gravel Sand	2.57 2.62
AA08	Runyon 61 Pit Vicksburg, MS	Gravel Sand	2.53 2.62
A021	St. Catherine Gravel Company Natchez, MS	Gravel Sand	2.56 2.62
A023	Samco Hampton, AR	Gravel	2.57
AB74	Settoon Construction Natchez, MS	Gravel Sand	2.56 2.62
AA28	Smith Sand & Gravel Company Perkinston, MS	Gravel	2.53
AA18	Southeast Arkansas Sand & Gravel Star City, AR	Gravel	2.56
AA97	Standard Gravel ³ Eagle Mills, AR	Gravel Sand	2.55 2.62
AB07	Huey Stockstill, Inc. ³ Picayune, MS	Gravel Sand	2.47 2.62
AA60	Tates Bluff Gravel Company Ouachita, AR	Gravel	2.57

PRODUCT SOURCE CODE	SOURCE	TYPE OF MATERIAL	SPECIFIC GRAVITY (SSD) ^{A-3}
OUT-OF-STATE SOURCES (continued)			
A025	Traxler Sand & Gravel Crystal Springs, MS	Gravel Sand	2.54 2.62
A026	Triangle Gravel Company Camden, AR	Gravel	2.53
AB22	Trinity Materials (Pit #174) Waco, TX	Gravel Sand	2.65 2.62
A027	Johnny Walter Gravel Company Prescott, AR	Gravel	2.54
AA53	Ryan Watts Sand & Gravel Fouke, AR	Gravel Sand	2.61 2.62
AB72	Vicksburg Sand & Gravel Vicksburg, MS	Sand	2.63

- End 'Out-of-State' Sources

ENDNOTES TO SECTION A:

1. Sand from this source is approved for asphaltic concrete only.
2. Sand from this source is restricted in Portland Cement Concrete to cements or cement/fly ash combinations with 0.6% alkalies or less.
3. Gravel from this source is restricted in Portland Cement Concrete to cements or cement/fly ash combinations with 0.6% alkalies or less.
4. Sand and Gravel from this source are restricted in Portland Cement Concrete to cements or cement/fly ash combinations with 0.6% alkalies or less.
5. Gravel from this source contains an unusual amount of hematite iron ore. If used in Portland Cement Concrete, the hematite content cannot exceed 2%.

NOTES:

Note A-1:

Source approval samples of gravel and sand are obtained by personnel from the Materials and District Laboratories. The source is defined as the pit or quarry which produces the aggregate being evaluated. All aggregate which does not pass through the 4.75mm (No. 4) sieve shall be source approved prior to use. Certain aggregates may be approved for restricted use. A complete source approval analysis shall be run on each aggregate source.

- Notes continued

NOTE A-2:

All material, regardless of prior approval, shall be sampled in accordance with the Materials Sampling Manual and tested for conformance to the appropriate specifications. A deviation in performance from the original sample submitted may result in removal of the material from the qualified list.

NOTE A-3:

A specific gravity value of 2.62 (SSD) may be used for all in-state silica sands used for portland cement concrete.

NOTE A-4:

Because absorption has been found to correlate with the type and specific gravity of silica sands and chert gravels, the water absorption factors given in the following table may be used:

Specific Gravity (SSD)	Water Absorption Factor
SAND	
2.62	0.5
GRAVEL	
2.45	4.0
2.46	4.0
2.47	3.5
2.48	3.5
2.49	3.5
2.50	3.0
2.51	2.5
2.52	2.5
2.53	2.2
2.54	1.7
2.55	1.5
2.56	1.2
2.57	1.0
2.58	1.0
2.59	1.0
2.60	1.0
2.61	0.8
2.62	0.8
2.63	0.8

B. OTHER AGGREGATE MATERIALS

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{2,3}
AB05	American Limestone, Inc. 4919 Jamestown Street Suite 202 Baton Rouge, LA 70808 (Water Absorption = 0.5) (Spec. Gravity - SSD = 2.68)	Stone ² (Limestone; Batesville, AR)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
A061	Arkholia Sand & Gravel Company P. O. Box 1627 Ft. Smith, AR 72902 (Water Absorption = 2.2) (Spec. Gravity - SSD = 2.55)	Stone (Sandstone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB50	Atlantic USA, LLC 3546 Mimosa Court New Orleans, LA 70131 (Water Absorption = 0.5) (Spec. Gravity - SSD = 2.82)	Stone ² (Limestone; Las Ilusiones Quarry; Morales, Guatemala)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB30	Barnhart Limestone, Inc. P. O. Box 459 Barnhart, MO 63012 (Water Absorption = 1.1) (Spec. Gravity - SSD = 2.65)	Stone ² (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB25	Big River Industries, Inc. Erwinville, LA 70729 (Water Absorption = 16.3) (Spec. Gravity - SSD = 1.65)	Expanded Clay Lightweight Aggregate ⁴	1) Asphaltic Surface Treatment (Type B & D applications only) 2) Asphaltic Concrete (excluding wearing surfaces) (Friction Rating = I) 3) Portland Cement Concrete (where specified)

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
OTHER AGGREGATE MATERIALS (continued)			
AB45	Brickeys Stone 13588 Brickeys Road Bloomsdale, MO 63627 (Water Absorption = 0.8) (Spec. Gravity - SSD = 2.63)	Stone (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB02	Construction Aggregates, Ltd. P. O. Box 278 Mulgrave, Nova Scotia, Canada B0E2G0 (Water Absorption = 0.5) (Spec. Gravity - SSD = 2.71)	Stone (Granite)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB51	Dean Word Company P. O. Box 364 Marble Falls, TX 78654 (Water Absorption = 0.6) (Spec. Gravity - SSD = 2.80)	Stone (Granite)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB04	Delta Materials P. O. Box 99 Marble Falls, TX 78654 (Water Absorption = 2.1) (Spec. Gravity - SSD = 2.56)	Stone (Sandstone; Fairland, TX)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB28	Donna Fill, Inc. P. O. Box 722 Little Rock, AR 72203 (Spec. Gravity - Apparent = 2.62)	Stone (Syenite Granite Fines, Donna Fill, Little Rock, AR)	This is a manufactured sand approved for the following applications: 1) Special Embankment (non-plastic) 2) Select Materials 3) Granular Material for Subbase 4) Supplemental Fines (screenings) for Asphaltic Concrete (Friction Rating = III)

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ⁸⁻¹
OTHER AGGREGATE MATERIALS (continued)			
AB65	Downen Aggregate, LLC P. O. Box 620 Shawneetown, IL 62984 (Water Absorption = 0.8) (Sp. Grav. (SSD) = 2.67)	Stone (Limestone: Rosiclare, Illinois)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB77	Downen Quarry MM 896.0 on Ohio River Near Shettlerville, IL (Water Absorption = 0.7) (Sp. Grav. (SSD) = 2.69) (Sp. Grav. (App) = 2.72) (Sp. Grav. (Bulk) = 2.67)	Stone (Siliceous Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete and PCC (Friction Rating = IV) (Excluding bridge decks) 4) Bedding Material 5) Riprap & Stone Revetment
AA76	Dunne & Sentell Const. Co., Inc. Rt. 1, Box 8-D Bradford, AR 72020 (Water Absorption = 1.6) (Specific Gravity - SSD = 2.56)	Stone (Sandstone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA15	Foster Yoeman Limited Shepton Mallet Somerset, England BA4 4SQ (Water Absorption = 0.5) (Spec. Gravity - SSD = 2.62)	Stone (Granite; Glensanda Quarry, Scotland)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB52	Franklin Industrial Division P. O. Box 1189 Belton, TX 76513 (Water Absorption = 4.9) (Spec. Gravity - SSD = 2.35)	Stone (Limestone; Nolanville, TX)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
OTHER AGGREGATE MATERIALS (continued)			
A095	Fredonia Valley Quarry Route 2, Box 23 Fredonia, KY 42411 (Water Absorption = 0.5) (Spec. Gravity - SSD = 2.71)	Stone ² (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB56	Fuselier Mining & Mineral - Arkansas Rock Products 427 HMB Road P. O. Box 317 Lockesburg, AR 71846 (Water Absorption = 1.3) (Spec. Gravity - SSD = 2.61)	Stone (Sandston - Jack Fork; Plant #7; Sevier County)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA89	Gads Hill Quarry P. O. Box 307 Piedmont, MO 63957 (Water Absorption = 0.3) (Spec. Gravity - SSD = 2.64)	Stone ² (Rhyolite 'Traprock'; Gads Hill, MO)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
A033	Granite Mountain Quarries P. O. Box 138 Sweet Home, AR 72164 (Water Absorption = 0.9) (Spec. Gravity - SSD = 2.59)	Stone (Syenite Granite)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
A077	Hanson Aggregates P. O. Box 190999 Dallas, TX 75219 (Water Absorption = 0.8) (Spec. Gravity - SSD = 2.68)	Stone ² (Limestone; Perch Hill Plant; Bridgeport, TX)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{a,1}
OTHER AGGREGATE MATERIALS (continued)			
AB18	Hanson Aggregates P. O. Box 31135 New Braunfels, TX (Water Absorption = 1.6) (Spec. Gravity - SSD = 2.58)	Stone ² (Limestone; New Braunfels, TX)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
A049	H.M.B. Construction Company P. O. Box 5606 Texarkana, TX 75501 (Water Absorption = 0.8) (Spec. Gravity - SSD = 2.62)	Stone (Sandstone; DeQueen, AR)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA46	Hartshorne Quarry P. O. Box 103 Jena, LA 71342 (Water Absorption = 1.9) (Spec. Gravity - SSD = 2.55)	Stone (Sandstone; Paris, AR)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA90	Hastie Mining Company 5845 Carsten Road Medina, OH 44256 (Water Absorption = 0.8) (Spec. Gravity - SSD = 2.66)	Stone (Sandstone; Hastie Mining Company Quarry; Cave-In-Rock, IL)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
A087	Heckett Corporation P. O. Box 1071 Butler, PA 16001 (Water Absorption = 6.0) (Spec. Gravity - SSD = 2.21)	Slag (Chicago Plant)	1) Asphaltic Surface Treatment 2) Asphaltic Concrete (Friction Rating = I)

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
OTHER AGGREGATE MATERIALS (continued)			
AB70	Heckett/MultiServ Plant #49 P. O. Box 247 Amorel, AR 72310 (Water Absorption = 1.0) (Spec. Gravity - SSD = 3.73) (Spec. Gravity - App. = 3.84) (Spec. Gravity - Bulk = 3.69)	Steel Slag ¹ (Nucor Steel of Arkansas, Blytheville, AR)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Bedding Material
AB55	Heckett/MultiServ Plant #51 P. O. Box 822 Warsaw, KY 41095 (Water Absorption = 2.0) (Spec. Gravity - SSD = 3.26)	Slag (EAF Steel Slag; Gallatin Steel Co., Ghent, KY)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I)
AB71	Heckett/MultiServ Plant #54 P. O. Box 247 Amorel, AR 72310 (Water Absorption = 1.6) (Spec. Gravity - SSD = 3.60) (Spec. Gravity - App. = 3.75) (Spec. Gravity - Bulk = 3.54)	Steel Slag ¹ (Nucor-Yamato Steel Co., Blytheville, AR)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Bedding Material
AA91	Ideal Dominicana, S.A. P. O. Box 1323 Santo Domingo, Dominican Republic (Water Absorption = 1.3) (Spec. Gravity - SSD = 2.61)	Stone (Limestone)	1) Base & Surface Course
A172	International Mill Service Laplace, LA 70068 (Water Absorption = 1.8) (Spec. Gravity - SSD = 3.25) (Apparent Gravity = 3.45)	Slag ¹ (Bayou Steel Plant)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III)

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
OTHER AGGREGATE MATERIALS (continued)			
AA65	International Mill Service P. O. Box 629 Middletown, OH 45042 (Water Absorption = 1.9) (Spec. Gravity - SSD = 3.37)	Slag (Armco Steel Mill)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III)
AB14	International Mill Service Rose City, TX (Water Absorption = 1.5) (Spec. Gravity - SSD = 3.60) (Apparent Gravity = 3.74)	Steel Slag ¹ (North Star Steel Company)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II)
AB16	International Mill Service 1155 Business Center Drive Horsham, PA 19044 (Water Absorption = 1.6) (Spec. Gravity - SSD = 3.73) (Apparent Gravity = 3.89)	Slag ¹ (Granite City, IL Steel Plant)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II)
AB73	Iron Mountain Trap Rock Co. 325 Highway W, Box 8 Iron Mountain, MO 63650 (Water Absorption = 0.2) (Sp. Grav.- SSD = 2.65)	Stone (Rhyolite: Iron Mountain, MO)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AA03	Jackson Ready Mix, Inc. Miss-Lite Division P. O. Drawer 1292 Jackson, MS 39205 (Water Absorption = 11.9)	Expanded Clay Lightweight Aggregate ⁴	1) Asphaltic Surface Treatment (Type B & D applications only) 2) Asphaltic Concrete (excluding wearing surfaces) (Friction Rating = II) 3) Portland Cement Concrete (where specified)
AB08	Key Stone Steel & Wire 7000 South West Adams Street Peoria, IL 61641 (Water Absorption = 0.7) (Spec. Gravity - SSD = 3.59) (Apparent Gravity = 3.66)	Slag ¹ (Peoria Plant)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II)

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
OTHER AGGREGATE MATERIALS (continued)			
AB58	Limestone Specialties P. O. Box 3199 Batesville, AR 72501 (Water Absorption = 0.4) (Spec. Gravity - SSD = 2.69)	Stone (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
A067	Little Rock Quarry Company P. O. Box 548 Benton, AR 72015 (Water Absorption = 1.2) (Spec. Gravity - SSD = 2.62)	Stone (Sandstone; Arkadelphia, AR)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA11	Louisiana Granite Mix Corp. 622 East College Lake Charles, LA 70605 (Water Absorption = 0.7) (Spec. Gravity - SSD = 2.56)	Stone (Syenite Granite Fines, Donna Fill)	This is a manufactured sand approved for the following applications: 1) Special Embankment (non-plastic) 2) Select Materials 3) Granular Material for Subbase 4) Supplemental Fines (screenings) for Asphaltic Concrete (Friction Rating = III)
A052	M & M Rock Company P. O. Box 1190 Conway, AR 72032 (Water Absorption = 1.2) (Spec. Gravity - SSD = 2.64)	Stone (Sandstone; Toad Suck Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA84	M & M Rock Company P. O. Box 1190 Conway, AR 72032 (Water Absorption = 1.5) (Spec. Gravity - SSD = 2.61)	Stone (Sandstone; Morrilton Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
OTHER AGGREGATE MATERIALS (continued)			
A084	M & M Rock Company P. O. Box 1190 Conway, AR 72032 (Water Absorption = 0.8) (Spec. Gravity - SSD = 2.67)	Stone (Sandstone; Greenbrier Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA85	Madden Contracting P. O. Box 856 Minden, LA 71058-0856 (Water Absorption = 1.0) (Spec. Gravity - SSD = 2.54)	Stone (Novaculite; Hattton, AR Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB75	MMD Stone, LLC 600 N.E. Quarry Drive Jackson, MO 63755 (Water Absorption = 1.2) (Spec. Gravity - SSD = 2.64)	Stone Siliceous Limestone; (Bailey formation) Jackson, MO	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA22	Martin Marietta Aggregates P. O. Box 801 Columbia, TN 38402 (Water Absorption = 1.0) (Spec. Gravity - SSD = 2.64)	Stone ² (Limestone; Cherokee, AL)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AA24	Martin Marietta Aggregates P. O. Box 801 Columbia, TN 38402 (Water Absorption = 2.0) (Spec. Gravity - SSD = 2.27)	Slag (Godwin, TN Plant)	1) Asphaltic Surface Treatment 2) Asphaltic Concrete (Friction Rating = III)
AA25	Martin Marietta Aggregates P. O. Box 801 Columbia, Tn 38402 (Water Absorption = 3.5) (Spec. Gravity - SSD = 2.39)	Slag (U.S. Steel Company- South Works)	1) Asphaltic Surface Treatment 2) Asphaltic Concrete (Friction Rating = III)

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{a,1}
OTHER AGGREGATE MATERIALS (continued)			
AA36	Martin Marietta Aggregates 6401 France Road P. O. Box 26396 New Orleans, LA 70126 (Water Absorption = 3.5) (Spec. Gravity - SSD = 2.62)	Stone ² (Limestone; Tampico, Mexico)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AA37	Martin Marietta Aggregates 6401 France Road P. O. Box 26396 New Orleans, LA 70126 (Water Absorption = 1.7) (Spec. Gravity - SSD = 2.60)	Stone ² (Limestone; Dominican Republic)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AA39	Martin Marietta Aggregates 6401 France Road P. O. Box 26396 New Orleans, LA 70126 (Water Absorption = 0.9) (Spec. Gravity - SSD = 2.70)	Stone (Granite; Nova Scotia, Construction Aggregate Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA55	Martin Marietta Aggregates 6401 France Road P. O. Box 26396 New Orleans, LA 70126 (Water Absorption = 2.4) (Spec. Gravity - SSD = 2.59)	Stone (Oolitic Stone; Cave-In-Rock, IL)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA56	Martin Marietta Aggregates 6401 France Road P. O. Box 26396 New Orleans, LA 70126 (Water Absorption = 1.0) (Spec. Gravity - SSD = 2.67)	Stone ² (Limestone; Cave-In-Rock, IL)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
OTHER AGGREGATE MATERIALS (continued)			
AA66	Martin Marietta Aggregates 6401 France Road P. O. Box 26396 New Orleans, LA 70126 (Water Absorption = 0.7) (Spec. Gravity - SSD = 2.63)	Stone (Sandstone; Cave-In-Rock, IL)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA82	Martin Marietta Aggregates P. O. Box 801 Columbia, TN 38402 (Water Absorption = 0.8) (Spec. Gravity - SSD = 2.54)	Slag ² (Mount Pleasant, TN)	1) Asphaltic Surface Treatment 2) Asphaltic Concrete (Friction Rating = IV)
AB29	Martin Marietta Aggregates 830 Three Rivers Quarry Road Smithland, KY 42081 (Water Absorption = 1.0) (Spec. Gravity - SSD = 2.69)	Stone (Siliceous Limestone; Three Rivers Rock Quarry; Pit No.1, Ledges 16 - 19)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA86	Martin Marietta Aggregates 6401 France Road P. O. Box 26396 New Orleans, LA 70126 (Water Absorption = 3.9) (Spec. Gravity - SSD = 2.38)	Stone (Porous Limestone; Bahama Island, Freeport)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete
AB37	Martin Marietta Aggregates 830 Three Rivers Quarry Road Smithland, KY 42081 (Water Absorption = 0.7) (Spec. Gravity - SSD = 2.68)	Stone (Siliceous Limestone; Cave-In-Rock, IL; Ledge #9)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB38	Martin Marietta Aggregates 830 Three Rivers Quarry Road Smithland, KY 42081 (Water Absorption = 0.9) (Spec. Gravity - SSD = 2.67)	Stone (Siliceous Limestone; Three Rivers Rock Quarry; Ledges 20 - 25)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
OTHER AGGREGATE MATERIALS (continued)			
AB39	Martin Marietta Aggregates P. O. Box 52 Cave-In-Rock, IL 62919 (Water Absorption = 0.5) (Spec. Gravity - SSD = 2.70)	Stone (Siliceous Limestone; Hardin County #2)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB40	Martin Marietta Aggregates P. O. Box 52 Cave-In-Rock, IL 62919 (Water Absorption = 1.2) (Spec. Gravity - SSD = 2.64)	Stone (Sandstone; Hardin County #2)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA92	Martin Marietta Aggregates P. O. Box 1325 Mena, AR 71953 (Water Absorption = 1.0) (Spec. Gravity - SSD = 2.64)	Stone ³ (Rhyolite 'Traprock'; Hatton, AR)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA51	Martin Marietta Aggregates P. O. Box 219 Powderly, TX 75473 (Water Absorption = 2.3) (Spec. Gravity - SSD = 2.52)	Stone (Sandstone; Sawyer, OK)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB80	Martin Marietta Aggregates Hardin County #3 (Water Absorption = 0.5) (Spec. Gravity - SSD = 2.68) (Spec. Gravity - App = 2.71) (Spec. Gravity - Bulk = 2.67)	Stone (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Bedding Material 6) Riprap & Stone Revetment
AA30	Mid State Const. & Matls. Co. 1421 N. University Av #S-335 Little Rock, AR 72207 (Water Absorption = 0.8) (Spec. Gravity - SSD = 2.57)	Stone (Sandstone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{5,6}
OTHER AGGREGATE MATERIALS (continued)			
AA42	Mid State Const. & Matls. Co. 1421 N. University Av #S-335 Little Rock, AR 72207 (Water Absorption = 2.2) (Spec. Gravity - SSD = 2.53)	Stone (Sandstone; Malvern, AR)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA43	Mid State Const. & Matls. Co. 1421 N. University Av #S-335 Little Rock, AR 72207 (Water Absorption = 0.9) (Spec. Gravity - SSD = 2.58)	Stone (Syenite Granite)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA44	Mid State Const. & Matls. Co. 1421 N. University Av #S-335 Little Rock, AR 72207 (Water Absorption = 0.6) (Spec. Gravity - SSD = 2.57)	Stone (Novaculite; Jones Mill Pit, Malvern, AR)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA64	Mid State Const. & Matls. Co. 1421 N. University Av #S-335 Little Rock, AR 72207 (Water Absorption = 0.5) (Spec. Gravity - SSD = 2.63)	Stone (Novaculite; Lawson Pt.)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA71	Mid State Const. & Matls. Co. 1421 N. University Av #S-335 Little Rock, AR 72207 (Water Absorption = 1.1) (Spec. Gravity - SSD = 2.54)	Stone (Sandstone; Hot Springs #1)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA72	Mid State Const. & Matls. Co. 1421 N. University Av #S-335 Little Rock, AR 72207 (Water Absorption = 0.3) (Spec. Gravity - SSD = 2.62)	Stone ² (Novaculite; Hot Springs #2)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
OTHER AGGREGATE MATERIALS (continued)			

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
AA77	Midwest Lime Company Box 2608 Batesville, AR 72501 (Water Absorption = 0.4) (Spec. Gravity - SSD = 2.72)	Stone ² (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB06	Midwest Minerals, Inc. O. O. Box 412 Pittsburg, KS 66762 (Water Absorption = 1.0) (Spec. Gravity - SSD = 2.66)	Stone ² (Limestone; Miami, OK)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AA23	Missouri Portable Stone P. O. Box 449 Warrenton, MO 63383 (Water Absorption = 0.8) (Spec. Gravity - SSD = 2.84)	Stone (‘Trap Rock’)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AA49	Perry County Stone Company Route 3 Perryville, MO 63775 (Water Absorption = 1.2) (Spec. Gravity - SSD = 2.68)	Stone ² (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB13	Pine Bluff Sand & Gravel Co. P. O. Box 80 New Blaine, AR 72851 (Water Absorption = 1.0) (Spec. Gravity - SSD = 2.63)	Stone (Sandstone; River Mountain Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
OTHER AGGREGATE MATERIALS (continued)			
AA69	Plattin Materials Company, Inc. 313 Sixteenth Street Moline, IL 61275 (Water Absorption = 2.2) (Spec. Gravity - SSD = 2.60)	Stone (Oolitic; St. Genevieve Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA40	Redland Worth Corporation Route 2, Box 222 San Antonio, TX 78228 (Water Absorption = 1.8) (Spec. Gravity - SSD = 2.56)	Stone ² (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB79	Riverside Stone Co. 4800 Cedar Flat Road Battletown, KY (Water Absorption = 0.9) (Spec. Gravity - SSD = 2.68) (Spec. Gravity - App = 2.72) (Spec. Gravity - Bulk = 2.66)	Stone (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Bedding Material 6) Riprap & Stone Revetment
AA81	Searcy Asphalt & Materials, Inc. P. O. Box 1428 Searcy, AR 72143 (Water Absorption = 1.8) (Spec. Gravity - SSD = 2.60)	Stone (Sandstone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB10	TXI P. O. Box 217 Streetman, TX 75859 (Water Absorption = 16.3) (Spec. Gravity - SSD = 1.54)	Expanded Shale Lightweight Aggregate (Streetman-Lightweight)	1) Asphaltic Surface Treatment 2) Asphaltic Concrete (excluding wearing surfaces) (Friction Rating = I) 3) Portland Cement Concrete (where specified)

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
OTHER AGGREGATE MATERIALS (continued)			
AB11	TXI Clodine Plant P. O. Box 2672 Houston, TX 77252 (Water Absorption = 11.3) (Spec. Gravity - SSD = 1.71)	Expanded Clay Lightweight Aggregate ² (Clodine Red)	1) Asphaltic Surface Treatment (Type B & D applications only) 2) Asphaltic Concrete (excluding wearing surfaces) (Friction Rating = I) 3) Portland Cement Concrete (where specified)
AB12	TXI Clodine Plant P. O. Box 2672 Houston, TX 77252 (Water Absorption = 24.1) (Spec. Gravity - SSD = 1.56)	Expanded Clay Lightweight Aggregate ⁴ (Clodine Black)	1) Asphaltic Surface Treatment (Type B & D applications only) 2) Asphaltic Concrete (excluding wearing surfaces) (Friction Rating = I) 3) Portland Cement Concrete (where specified)
AB61	TXI 4600 Lee Street Alexandria, LA 71302 (Water Absorption = 1.3) (Spec. Gravity - SSD = 2.64)	Stone (Limestone; Bridgeport, TX)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB15	Texas Crushed Stone Co., Inc. Georgetown, TX (Water Absorption = 3.6) (Spec. Gravity - SSD = 2.48)	Stone ² (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
A056	Tower Rock Stone Company 19829 Lower Frenchman Road, Ste Genevieve, MO 63670 (Water Absorption = 1.6) (Spec. Gravity - SSD = 2.64) (Spec. Gravity - App = 2.72) (Spec. Gravity - Bulk = 2.60)	Stone ² (Limestone; St. Genevieve, MO)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{a-f}
OTHER AGGREGATE MATERIALS (continued)			
A079	Tower Rock Stone Company P. O. Box 69 Columbia, IL 62236 (Water Absorption = 4.8) (Spec. Gravity - SSD = 2.47)	(Oolitic Stone; St. Genevieve, MO)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB33	Tower Rock Stone Company P. O. Box 4248 Scott City, MO 63789 (Water Absorption = 0.5) (Spec. Gravity - SSD = 2.70)	Stone ² (Limestone; Gray's Point Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AA95	Vulcan/ICA Distrib. Company 15000 Intracoastal Dr. New Orleans, LA 70129 (Water Absorption = 3.7) (Spec. Gravity - SSD = 2.38)	Stone (Porous Limestone - Sactun; Cancun, MX)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete
A041	Vulcan Materials Company Southeast Division P. O. Box 7497 Birmingham, AL 35253 (Water Absorption = 2.6) (Spec. Gravity - SSD = 2.36)	Slag (Ensley Plant)	1) Asphaltic Surface Treatment 2) Asphaltic Concrete (Friction Rating = II)
A042	Vulcan Materials Company P. O. Box 7497 Birmingham, AL 35253 (Water Absorption = 0.7) (Spec. Gravity - SSD = 2.71)	Stone ² (Limestone; Calera Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AA61	Vulcan Materials Company Southeast Division P. O. Box 7497 Birmingham, AL 35253 (Water Absorption = 2.9) (Spec. Gravity - SSD = 2.91)	Slag ² (Blended Steel & Blast Furnace; Woodward Pt.)	1) Asphaltic Surface Treatment 2) Asphaltic Concrete (Friction Rating = IV)
OTHER AGGREGATE MATERIALS (continued)			

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
AA62	Vulcan Materials Company Southeast Division P. O. Box 7497 Birmingham, AL 35253 (Water Absorption = 3.7) (Spec. Gravity - SSD = 2.48)	Slag ² (Blast Furnace; Woodward Pt.)	1) Asphaltic Surface Treatment 2) Asphaltic Concrete (Friction Rating = IV)
AA63	Vulcan Materials Company Southeast Division P. O. Box 7497 Birmingham, AL 35253 (Water Absorption = 9.9) (Spec. Gravity - SSD = 1.40)	Expanded Shale (Parkwood Pt.)	1) Asphaltic Surface Treatment (Friction Rating = II)
AB19	Vulcan Materials Company P. O. Box 96 Trinity, AL 35673 (Water Absorption = 1.2) (Spec. Gravity - SSD = 2.65)	Stone ² (Limestone; Trinity Plant; Decatur, AL)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
A037	Vulcan Materials Company P. O. Box 35 Gilbertsville, KY 42044 (Water Absorption = 0.7) (Spec. Gravity - SSD = 2.66)	Stone (Limestone; Reed Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
A089	Vulcan Materials Company P. O. Box 35 Gilbertsville, KY 42044 (Water Absorption = 5.5) (Spec. Gravity - SSD = 2.27)	Stone (Sandstone; Reed Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = I) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AA50	Vulcan Materials Company P. O. Box 35 Gilbertsville, KY 42044 (Water Absorption = 0.7) (Spec. Gravity - SSD = 2.66)	Stone (Siliceous Limestone; Reed Quarry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
OTHER AGGREGATE MATERIALS (continued)			

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ^{8,†}
AB35	Vulcan Materials Company 1277 S. 7000 West Road Kankakee, IL 60901 (Water Absorption = 1.5) (Spec. Gravity - SSD = 2.69)	Stone ² (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB36	Vulcan Materials Company 6141 North Route 50 Manteno, IL 60950 (Water Absorption = 1.6) (Spec. Gravity - SSD = 2.65)	Stone ² (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB41	Vulcan Materials Company P. O. Box 110 Tuscumbia, AL 35674 (Water Absorption = 0.7) (Spec. Gravity - SSD = 2.64)	Stone ² (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB42	Vulcan Materials Company P. O. Box 459 Cherokee, AL 35616 (Water Absorption = 0.9) (Spec. Gravity - SSD = 2.62)	Stone ² (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AB43	Vulcan Materials Company 2800 S. Broad Street Chattanooga, TN 37402 (Water Absorption = 2.4) (Spec. Gravity - SSD = 2.47)	Slag (Blast Furnace Slag; Wheland Foundry)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Bedding Material

PRODUCT SOURCE CODE	SOURCE	MATERIAL	APPROVED USES & FRICTION RATINGS ⁶⁻¹
OTHER AGGREGATE MATERIALS (continued)			
AB53	Vulcan Materials Company P. O. Box 193 Georgetown, TX 78622 (Water Absorption = 0.8) (Spec. Gravity - SSD = 2.64)	Stone (Limestone; Brownwood, TX)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
AA83	Western Arkansas Sandstone, Inc. 9 Melinda Drive Little Rock, AR 72209 (Water Absorption = 1.1) (Spec. Gravity - SSD = 2.59)	Stone (Sandstone; Delaware)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = II) 4) Portland Cement Concrete 5) Riprap & Stone Revetment
AB78	Winn Materials Clarksville, TN (Water Absorption = 0.6) (Sp. Gravity - SSD = 2.7) (Sp. Gravity - App = 2.72) (Sp. Gravity - Bulk = 2.68)	Stone (Siliceous Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete and PCC (Friction Rating = IV) (excluding bridge decks) 4) Bedding Material 5) Riprap & Stone Revetment
A073	3M Company P. O. Box 6150 Little Rock, AR 72216 (Water Absorption = 0.7) (Spec. Gravity - SSD = 2.56)	Stone ² (Syenite Granite)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment

ENDNOTES TO SECTION B:

1. *Due to the high apparent gravity of this aggregate, the yield of asphaltic concrete mixtures utilizing this material would be less than standard mixtures.*
2. *May be used in a final Asphaltic Concrete Wearing Course where the ADT per lane is less than 1000 VPD or the ADT per roadway is less than 2000 VPD and this aggregate does not constitute more than 70% by volume of the total aggregate in the mixture.*
3. *May be used as a Friction Rating of II in final Asphaltic Concrete Wearing Surfaces where the ADT for the total roadway is less than 40,000 VPD.*
4. *May be used in Asphaltic Surface Treatment for Type B and Type D applications only.*

NOTES:

NOTE B-1:

Refer to Subsections 501.02 and 1003.06 for definition and application of Friction Ratings.

NOTE B-2:

All material, regardless of prior approval, shall be sampled in accordance with the Materials Sampling Manual and tested for conformance to the original specification. Any deviation in composition or performance from the original sample submitted may result in removal of the product from the qualified list.

REFERENCE:

2000 DOTD Standard Specifications and Special Provisions, Section 1003
DOTD Supplemental Specifications
DOTD Maintenance Specifications

No information contained in this list is to be used for promotional purposes.

State of Louisiana
Department of Transportation and Development

Qualified Products List 41

ASPHALTIC MATERIALS

PRODUCT SOURCE CODE	PRODUCT	SOURCE
41AE	Asphalt Cement (AC-10, AC-30)	American International Refinery 4646 Highway 3059 Lake Charles, LA 70615
41AF	Polymer Modified Asphalt (PAC-30, PAC-40HG)	
41AL	Hot Applied Modified AC for Asphaltic Surface Treatment (PAC-15)	
41AZ	PG 64-22 ¹	
41AR	PG 70-22M	
41AS	PG 76-22M ¹	
4196	Polymer Modified Asphalt (PAC-40HG)	Asphalt Materials, Inc. 2200 Gilbert Pitt Road Millsap, TX 76066
41AC	Hot Applied Modified AC for Asphaltic Surface Treatment Option 1	
4199	PAC-30 Alternate (PG 70-22)	
4124	Cutback Asphalt (RC-250, MC-30, MC-70)	Asphalt Products Unlimited, Inc. 4675 Interstate Highway Port Allen, LA 70767
4125	Emulsified Asphalt (SS-1, SS-1h, CRS-2, CQS-1H ³)	
4178	Emulsified Polymerized Asphalt (SS-1L)	
41CH	Emulsified Polymerized Asphalt (CRS-2P)	
41CI	AEP Asphalt Emulsion Prime	
4162	Emulsified Petroleum Resin (EPR-1)	Blacklidge Emulsions, Inc. 828-B Pass Road Gulfport, MS 39501
4163	Emulsified Asphalt (SS-1, CRS-2)	
41CD	Emulsified Polymerized Asphalt (CRS-2P)	
4190	Polymer Modified Asphalt (PAC-30, PAC-40HG)	

PRODUCT SOURCE CODE	PRODUCT	SOURCE
41CC 41BZ 41CA 41CB	PG 58-28 PG 64-22 PG 70-22M PG 76-22M	Eagle Asphalt Products P. O. Box 1069 Mobile, AL 36633
41AN 41AX 41CK	Emulsified Asphalt (SS-1, CRS-2) Emulsified Polymerized Asphalt (CRS-2P) CSS-1	Ergon Asphalt and Emulsions 10451 Hwy. 18 St. James, LA 70086
4181 4187	Emulsified Asphalt (SS-1, CRS-2) Emulsified Polymerized Asphalt (CRS-2P)	Ergon, Inc. 209 Airport Road Mt. Pleasant, TX 75455
4132 4134 4179 4182 41BT 41AU 41AT	Asphalt Cement (AC-10, AC-30) Emulsified Asphalt (SS-1, CRS-2, CQS-1H ³) Polymer Modified Asphalt (PAC-30, PAC-40HG) Emulsified Polymerized Asphalt (CRS-2P) PG 64-22 ^{1,2} PG 70-22M ¹ PG 76-22M ¹	Ergon Refining, Inc. P. O. Box 309 Vicksburg, MS 39180
41CJ	CSS-1	Ergon Refining, Inc. 2611 Haining Road Vicksburg, MS 39180
4192 4194 41BQ 41BN 41BR	Asphalt Cement (AC-30) Polymer Modified Asphalt (PAC-30, PAC-40HG) PG 64-22 PG 70-22M PG 76-22M	Fina Oil and Chemical Company P. O. Box 849 Hwy. 366 th & 32 nd Street Port Arthur, TX 77642

PRODUCT SOURCE CODE	PRODUCT	SOURCE
4193	Polymer Modified Asphalt (PAC-30, PAC-40HG)	Gulf States Asphalt 300 Christy Place P. O. Box 508 South Houston, TX 77587
4169 41AH 41BO	Polymer Modified Asphalt (PAC-30, PAC-40HG) Hot Applied Modified AC for Asphaltic Surface Treatment (PAC-15) PG 76-22M	Koch Materials 1220 Airhart Drive Baytown, TX 77520
41CF 4175 4176	AEP Emulsified Asphalt Emulsified Asphalt (SS-1, CMS-2, CRS-2, CSS-1h) Emulsified Polymerized Asphalt (SS-1P, CRS-2P)	Koch Materials P. O. 247 Port Neches, TX 77651
41DC	PG 76-22M	Koch Materials Company 2501 Port Place Muskogee, OK 74401
41DD	PG 76-22M	Koch Materials Company 1285 Channel Avenue Memphis, TN 38173
41BW	Emulsified Polymerized Asphalt (CRS-2P)	Koch Pavement Solutions 1340 Commerce Street Garland, TX 75040
41CX	Emulsified Polymerized Asphalt (CRS-2P)	Koch Pavement Solutions 601 Shamburger Ln. Little Rock, AR 72206
4138 4139 41BH 41BF 41BM 41BG	Asphalt Cement (AC-10, AC-30) Cutback Asphalt (MC-30) Polymer Modified Asphalt (PAC-30, PAC-40HG) PG 64-22 ¹ PG 70-22M ¹ PG 76-22M ¹	Lion Oil Company 1000 McHenry Street El Dorado, AR 71730

PRODUCT SOURCE CODE	PRODUCT	SOURCE
4140 41BE 41BP 41BJ 41BK 41BL	Asphalt Cement (AC-10, AC-30) Polymer Modified Asphalt (PAC-30, PAC-40HG) PG 58-28 ¹ PG 64-22 ¹ PG 70-22M ¹ PG 76-22M ¹	Marathon Ashland Petroleum, LLC P. O. Box AC Garyville, LA 70051
41CL 41CM 41CN 41CO 41CP 41CQ 41CR 41CS 41CT 41CU 41CV 41CW	AC-10 AC-30 MC-30 Cutback Asphalt RC-250 Cutback Asphalt PAC-30 PAC-40HG Hot Applied Modified AC for Asphaltic Surface Treatment Option 2 Hot Applied Modified AC for Asphaltic Surface Treatment (PAC-15) PG 58-28 ¹ PG 64-22 ¹ PG 70-22M ¹ PG 76-22M ¹	Marlin Asphalt, LTD. (formerly Eagle Asphalt Products) P. O. Box 72 Donaldsonville, LA 70346
4198	Emulsified Petroleum Resin (EPR-1)	Pennzoil Products Company P. O. Box 2967 Houston, TX 77252
4143 4144 41AV 41AY 41BY 41CE	Asphalt Cement (AC-10, AC-30) Emulsified Asphalt (SS-1, CRS-2) PG 64-22 PG 58-28 PG 70-22M PG 76-22M	Southland Oil Company (Lumberton) P. O. Box A Sandersville, MS 39477

PRODUCT SOURCE CODE	PRODUCT	SOURCE
4145 4146 41AJ 41AK 41AM 41BD 41BC 41BU 41BV 41BX 41DE	Asphalt Cement (AC-10, AC-30) Cutback Asphalt (MC-30, RC-250) Hot Applied Modified AC for Asphaltic Surface Treatment - Option 1 PAC-30 Alternate (PG 70-22) Polymer Modified Asphalt (PAC-40HG) PG 58-28 PG 64-22 PG 70-22M PG 70-22M Alternate ⁴ PG 76-22M Emulsified Asphalt CSS-1	Southland Oil Company (Sandersville) P. O. Box A Sandersville, MS 39477
4147 41AW	Asphalt Cement (AC-30) PG 64-22	Southland Oil Company (Vicksburg Terminal) P. O. Box A Sandersville, MS 39477
41CY 41DA	PG 70-22M PG 76-22M	Trumbull Asphalt Houston 8350 Market St. Houston, TX 77029 <i>distributed by:</i> Wright Asphalt Products Co. 17255 Market St. Channelview, TX 77530
41CZ 41DB	PG 70-22M PG 76-22M	Trumbull Asphalt Channelview 17310 Market Street Channelview, TX 77530 <i>distributed by:</i> Wright Asphalt Products 17255 Market Street Channelview, TX 77530

ENDNOTES:

1. *Material is approved for the Louisiana Approved Supplier Certification Program*
2. *May be used only on projects containing specification for **PG 64-22** with 5000 kPa maximum PAV DSR requirement and 100 cm elongation ductility requirement (Section 1002, Table 10D, Rev. 9/99)*
3. **CQS-1H** *allowed by Contract Specifications only.*
4. *Binders with rotational viscosity values higher than 3.0 Pascal Seconds should be used with caution and only after consulting with the supplier as to any special handling procedures and guarantees of mixing and pumping capabilities.*

REFERENCE:

2000 DOTD Standard Specifications, Subsection 1002.01 (Metric/English)
DOTD Special Provisions (Metric/English)
DOTD Maintenance Specifications, DOTD 158-001, DOTD 164-002 and DOTD 164-003
Louisiana Approved Supplier Certification Program

NOTE:

All material, regardless of prior approval, shall be sampled in accordance with the Materials Sampling Manual and tested for conformance to the original specification. Any deviation in composition or performance from the original sample submitted may result in removal of the product from the qualified list.

No information in this list is to be used for promotional purposes.

SUPPLEMENT A

**ASPHALTIC MIXTURE FOR HOT APPLICATION (REGULAR)
STOCK NO. 24-05-5120**

PLANT PICK-UP PRICES

<u>ITEM NO.</u>	<u>MAINTENANCE UNIT LOCATIONS</u>	<u>PRICES PER TON</u>	<u>PLANT LOCATION</u>
077	<u>District 02</u> New Orleans East Maintenance Unit 14101 Old Gentilly Road New Orleans, LA 70129 Plant location must be within a 30 road mile radius of maintenance unit. List road mile radius from specified Maintenance Unit: _____	_____	_____
078	<u>District 03</u> Opelousas Maintenance Unit 11968 Hwy. 90 Opelousas, LA 70570 Plant location must be within a 10 road mile radius of Maintenance Unit. List road mile radius from specified Maintenance Unit: _____	_____	_____
079	<u>District 07</u> Oberlin Maintenance Unit 7204 Highway 26 East Oberlin, LA 70655 Plant location must be within a 40 road mile radius of Maintenance Unit. List road mile radius from specified Maintenance Unit: _____	_____	_____

**PLEASE LIST DOTD PLANT CERTIFICATION CODE
FOR EACH CERTIFIED PLANT: _____**

**ANY CORRECTIONS OR ALTERATIONS MADE TO UNIT PRICE SHOULD BE INITIALED
BY BIDDER.**

**BIDDERS MUST SIGN FRONT OF BID PROPOSAL IN ORDER TO BE CONSIDERED FOR
AWARD. BY SIGNING THE EXECUTION OF BID ON THE FIRST PAGE OF THIS PROPOSAL,
BIDDER CERTIFIES THAT HE IS IN AGREEMENT WITH ALL TERMS, SPECIAL
CONDITIONS AND SPECIFICATIONS LISTED WITHIN THIS PROPOSAL.**

SUPPLEMENT A

**ASPHALTIC MIXTURE FOR HOT APPLICATION (REGULAR)
STOCK NO. 24-05-5120**

PLANT PICK-UP PRICES

<u>ITEM NO.</u>	<u>MAINTENANCE UNIT LOCATIONS</u>	<u>PRICES PER TON</u>	<u>PLANT LOCATION</u>
080	<u>District 07</u> DeRidder Maintenance Unit 625 Highway 3099 DeRidder, LA 70634 Plant location must be within a 10 road mile radius of maintenance unit. List road mile radius from specified Maintenance Unit: _____	_____	_____
081	<u>District 62</u> LaPlace Maintenance Unit St. John Parish Plant location must be within a 30 road mile radius of Maintenance Unit. List road mile radius from specified Maintenance Unit: _____	_____	_____
082	<u>District 62</u> Covington Maintenance Unit St. Tammany Parish Plant location must be within a 40 road mile Radius of Maintenance Unit. List road mile radius from specified Maintenance Unit: _____	_____	_____

**PLEASE LIST DOTD PLANT CERTIFICATION CODE
FOR EACH CERTIFIED PLANT: _____
_____**

**ANY CORRECTIONS OR ALTERATIONS MADE TO UNIT PRICE SHOULD BE INITIALED
BY BIDDER.**

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CONDITIONS AND SPECIFICATIONS LISTED WITHIN THIS PROPOSAL.**

SUPPLEMENT A

**ASPHALTIC MIXTURE FOR HOT APPLICATION
POLYMER MODIFIED
PAC-30
STOCK NO. 24-05-5125**

PLANT PICK-UP PRICES

<u>ITEM NO.</u>	<u>MAINTENANCE UNIT LOCATIONS</u>	<u>PRICES PER TON</u>	<u>PLANT LOCATION</u>
083	<u>District 03</u> Opelousas Maintenance Unit 11968 Hwy. 90 Opelousas, LA 70570 Plant location must be within a 10 road mile radius of maintenance unit. List road mile radius from specified Maintenance Unit: _____	_____	_____

**PLEASE LIST DOTD PLANT CERTIFICATION CODE
FOR EACH CERTIFIED PLANT: _____**

**ANY CORRECTIONS OR ALTERATIONS MADE TO UNIT PRICE SHOULD BE INITIALED
BY BIDDER.**

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SUPPLEMENT A

**ASPHALTIC MIXTURE FOR HOT APPLICATION
POLYMER MODIFIED
PAC-40HG
STOCK NO. 24-05-5130**

PLANT PICK-UP PRICES

<u>ITEM NO.</u>	<u>MAINTENANCE UNIT LOCATIONS</u>	<u>PRICES PER TON</u>	<u>PLANT LOCATION</u>
084	<u>District 03</u> Opelousas Maintenance Unit 11968 Hwy. 90 Opelousas, LA 70570 Plant location must be within a 10 road mile radius of maintenance unit. List road mile radius from specified Maintenance Unit: _____	_____	_____

**PLEASE LIST DOTD PLANT CERTIFICATION CODE
FOR EACH CERTIFIED PLANT: _____**

**ANY CORRECTIONS OR ALTERATIONS MADE TO UNIT PRICE SHOULD BE INITIALED
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